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ABSTRACT

This publication presents, in narrative and tabular formats, the findings of a 1991-92 survey of foreign students attending institutions of higher education in the United States, including information on nationalities, academic levels, and fields of study. The first of four chapters describes the survey effort and its relation to a sister project which reports aggregate data on foreign students on an institutional basis. Chapter 2 presents the characteristics of subgroups of foreign students grouped by region of origin--Africa, Asia, Europe, Latin America, the Middle East, North America, and Oceania. For each area, this chapter gives data on overall student characteristics, countries of origin, fields of study, academic levels, and gender. Chapter 3 focuses on an analysis of graduate and undergraduate foreign students. Chapter 4 provides data on students by fields of study. For many tables current data are compared with data from previous years. Appendixes provide: (1) information on the survey methodology and technical notes on the data including comparisons to response rates to a sister study called Open Doors; (2) data on the characteristics of foreign students by country of origin; and (3) codes for fields of study, countries by world region and subregion, and a copy of the survey materials. (JB)

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ED 366 232

PROFILES 1991-1992

DETAILED ANALYSES OF THE FOREIGN STUDENT POPULATION

HE 027 073

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PROFILES
1991/1992

DETAILED ANALYSES OF THE FOREIGN STUDENT POPULATION

MARIANTHI ZIKOPOULOS
EDITOR

The Institute of International Education gratefully acknowledges special grant support from the Bureau of Educational and Cultural Affairs of the United States Information Agency for the implementation of the Individual Data Survey and for the production of *Profiles*. It also acknowledges the invaluable assistance of the members of the American Association of Collegiate Registrars and Admissions Officers (AACRAO) and of NAFSA: Association of International Educators in obtaining the data.

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DEFINITIONS

Foreign Student. Anyone who is enrolled in courses at accredited institutions of higher education in the United States who is not a U.S. citizen, an immigrant (permanent resident), or a refugee.

Higher Education. The group of colleges and universities in the United States which are accredited by agencies recognized by the Secretary of Education. The *The HEP 1991 Higher Education Directory*, Higher Educations Publications, Inc., Falls Church,VA. (ISBN 0-914927-16-7) is used as reference.

Fields of Study. The fields of study used in this publication are those from *A Classification of Instructional Programs*, published by the U.S. Department of Education, Center for Education Statistics (CES). See *Appendix C.1* for a complete list of major and detailed fields of study.

World Regions. World regions, and the subregions, countries, territories, and other places of origin within each region, appear in *Appendix C.2*.

ORGANIZATION OF CONTENTS

This publication consists of four chapters and three appendices. **Chapter 1** compares *Open Doors* and *Profiles*, pointing out the unique contributions of each, as well as the advantages of combining data from both books to gain insights not available from either one.

Chapters 2 through 4 report the major findings of the survey: **Chapter 2** presents characteristics of subgroups of foreign students based on their world region and countries or other places of origin. **Chapter 3** focuses on analyses of graduate and undergraduate foreign students and **Chapter 4** looks at groups of students in the most populous fields of study.

The examination of the foreign student population in the United States is approached from two major perspectives in *Profiles*. In **Chapter 2**, characteristics are related to the students' geographic origins: What are the overall characteristics of students from the major world regions and from the countries or other places within those regions? What do students from particular regions study? How many are graduate and how many are undergraduate students? How many are male and how many are female?

In **Chapters 3** and **4**, the focus shifts to various components of the educational scene within the United States: What are the characteristics of the foreign student population in different fields of study? At different academic levels? Data in **Chapter 2** are useful to those needing detailed information about students from specific places; **Chapters 3** and **4** are useful to those who wish to examine the dispersion of foreign students within the United States and within particular sectors of higher education in the United States.

Appendix A contains the research methodology and technical notes on the data contained in this publication including comparisons of response rates to *Open Doors* and to *Profiles*.

Appendix B is extremely valuable, because it reports on the characteristics (field of study, gender, and academic level) of foreign students from ***each country*** or other place of origin as well as subregion and world region, as reported in the Individual Data, or **Step 3** survey. It is here that information on students from countries not included in the main tables can be found. Although somewhat complicated, **Appendix B** can be of great value; a guide to understanding it appears on page 69.

Appendix C contains field-of-study and country taxonomies, and a copy of the 1991/92 **Step 3** Individual Data Survey materials.

ADDITIONAL DATA: CUSTOM REPORTS

The Research Division of IIE can produce special reports from the **Step 2** and **Step 3** data bases for prospective employers of foreign students and for scholars interested in international educational exchange. Two types of reports are available:

1. ***Locator reports:*** These reports show where (in what institution and state) foreign students from a particular country or group of countries are studying. Two kinds of reports are available:
   a) A general ***country report,*** showing the number of students from a specific country attending various institutions of higher education in each state of the United States (e.g., how many Irish students attended which institutions in each state). This report is based on **Step 2** data and is updated annually.

   b) A ***detailed country report,*** giving information on the location of students from a specific country in particular fields or subfields of study and at different academic levels (e.g., how many Saudi Arabian graduate students majoring in engineering attended which institutions in each U.S. state). This report is based on **Step 3** data and is updated biennially.

2. ***Research reports:*** These reports offer special analyses for persons needing information on foreign students from particular countries, in subgroups based on field of study, academic level, by gender, or in combinations of these attributes. Research reports can answer such questions as: What number or proportion of undergraduate female Indian students study business and management? What is the proportion of women in each engineering subfield at the graduate level? How many of the Peruvian students studying the physical and life sciences are undergraduates and how many are graduate students?

For further information on analyses available and quotations of cost, contact:

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1: PROFILES AND OPEN DOORS: BACKGROUND

HISTORY

The Institute of International Education (IIE) has been collecting data on foreign students in the United States since the Institute was founded in 1919, to provide accurate annual counts of their number and some of their characteristics. In 1949, an annual report based on these surveys was begun, called *Education for One World*. In 1955, the title *Open Doors* was adopted.

A key objective of *Open Doors* is to provide a complete census of the foreign student population. Until the early seventies, it was possible to obtain this information by sending questionnaires to foreign students individually. In the early seventies, however, for a number of reasons, principally the vast growth of the foreign student population, this method ceased to produce an acceptable response rate. In consultation with representatives of NAFSA and AACRAO, IIE adopted a new method: obtaining data from campus officials on the total number of foreign students (**Step 1 Survey**) and the total in each of several categories (e.g., country of citizenship, field of study, academic level, and gender) at their institutions (**Step 2 Survey**). The modified two-part survey, usually referred to as **Census of Foreign Students in the United States**, has substantially improved the response rate (in recent years it has been 97% or above), and *Open Doors* now is based on these aggregate data (or totals by category). But these data no longer permit the kinds of detailed analyses that were possible when information was collected on an individual basis.

Thus, with the modification of *Open Doors*, it became necessary to complement the comprehensive census with a survey of the characteristics of individual foreign students. Known as the **Individual Data Survey** or **"Step 3" survey** to distinguish it from the **Step 1** and **Step 2** surveys that produce *Open Doors*, it was first implemented in the academic year 1979/80 and published in *Profiles*. **Step 3** requests information on country of citizenship, field of study, academic level, gender, and primary source of financial support on each foreign student attending each school. Since the collection and analysis of these data is an enormous effort, this survey is done only biennially.

PROFILES COMPLEMENTS *OPEN DOORS*

Profiles and *Open Doors* can be most readily understood if compared. *Profiles* does not simply repeat data contained in *Open Doors*, but provides different, more complex analyses. While *Open Doors* is a better source for information on the major characteristics of foreign students overall, based as it is on the whole foreign student population, *Profiles* offers comparative and cross-tabulated data that are essential to a deeper understanding of the meaning of student flows, both for U.S. higher education and for the countries from which these students come.

Profiles is an invaluable complement to *Open Doors*. Data in *Open Doors* are aggregate, reported on an institutional basis; thus *Open Doors* can only provide information on a single or specific characteristic of the foreign student, such as how many foreign students there are in the United States; how many come from particular countries or regions; and how many select the different fields of study. *Open Doors* cannot provide much needed information on subgroups of foreign students, such as the number of students from a particular country who study in particular fields.

Profiles fills that gap, adding depth to the study of international student flows to this county. Only through *Profiles* can one get detailed information about subgroups of the foreign student population, for instance: what proportion of students from a specific country (e.g., Malaysia) are graduates or undergraduates; what proportion of students in different fields of study (e.g., natural sciences) are graduates or undergraduates; what proportion of Nigerian students in the U.S. are studying business and management, and what proportion of these are female or male; and what proportion of foreign students studying engineering are from Asia.

It is much more difficult to complete a **Step 3** form than a **Step 2** form (indeed, **Step 3** data simply are not

available in some institutions), and consequently the response rate is not as high: approximately three-fourths (76%) of the institutions with foreign students in 1991/92 provided detailed **Step 3** information on approximately two-thirds of the students reported on in the *Open Doors* census. This is, however, a significant improvement from the first Individual Data Survey in 1979/80, when detailed information was provided for only 55% of the students reported in the annual census. Thus, in contrast to *Open Doors*, *Profiles* analyses are based on a sample rather than on the entire foreign student population.

However, there is strong statistical evidence, presented in **Appendix A: Methodology and Data,** that the sample is representative of the whole population; therefore, the findings in *Profiles* can be generalized to all foreign students. (The reader is referred to pages 50 and 51 of this publication for an extensive discussion of the representativeness of the sample and the generalizability of the *Profiles* data to all foreign students).

Note that the total number of students varies from table to table because the response rate on individual characteristics, such as country of origin and field of study, is not uniform. Also, the totals in more complex tables are even smaller, because there are fewer complete records available for analysis when more characteristics are examined simultaneously.

USE *PROFILES* AND *OPEN DOORS* TOGETHER FOR BEST INFORMATION ON FOREIGN STUDENTS

To get the most detailed information on foreign students in this country, the user should use *Open Doors* and *Profiles* data together. The comprehensiveness of *Open Doors* and the cross-tabulated data of *Profiles*, when combined, provide valuable information not available from either publication alone. Only by combining *Open Doors* and *Profiles* data can one get an estimate of the number of foreign students in specific subgroups, such as Chinese studying mathematics and computer science or female Brazilian undergraduates.

Here's how to combine data from both publications to obtain this type of detailed information, using the number of Germans studying business and management as an example:

- Use *Profiles* (**Table 2.3***) and note the proportion of Germans in this field: **19.6%**. Divide it by 100=**.196=P**.
- Use *Open Doors* of the same year (**Appendix A.3**, "Extrapolated Count" column**) to get the total number of Germans studying in the United States: **7,573=T**.
- Multiply **T by P** to get an approximate number of students in this field (7,573 x .196)=1,484`

* If the country of interest to you does not appear on Table 2.3, you can find it in Table B.1, in the back of *Profiles*.

** If no number appears in the "Extrapolated Count" column for the country you are interested in, use the "Base Number" column.

` This is an approximate number; the proportions of students in the various fields may be a little off, due to variations in response rate.

2: FOREIGN STUDENTS BY GEOGRAPHIC ORIGIN

INTRODUCTION

In this chapter we present the characteristics (field of study, academic level, and gender) of foreign students categorized by world region and by leading country or other place of origin. Perhaps the most interesting differences in foreign student populations can be discerned by examining and comparing the profiles of students from within a particular region rather than looking at the foreign student population as a whole. Thus, this chapter presents the characteristics of the students in each region separately. The regions are considered in alphabetical order, with data on each major sending country in that region. Field of study analyses are presented first, followed by academic level analyses (including separate discussions of the characteristics of undergraduate and graduate students), and finally, gender distribution is presented.

• Note that information on the characteristics of foreign students from countries not analyzed in this chapter can be found in **Appendix B,** which presents the fields of study, academic level, and gender of foreign students from **every country or other place of origin in the world**. Thus, someone interested in the fields of study of Italian students, for instance, should turn to **Table B.1** at the back of the book. Information on the gender and academic level of students by country of origin can be found in **Table B.2 and Table B.3**, respectively.

• Note also that **Tables 2.1 and 2.2** present information on the entire student population collected through the Census of Foreign Students, while all other tables in this and in the following chapters present data on the sample based on the Individual Data Survey. The Census data are included to show the full extent of foreign study in this country and to provide a frame of reference for interpreting proportional distributions which are based on the sample.

2.1 Census of Foreign Students: World Region and Subregion of Origin of Foreign Students, 1991/92

WORLD REGION/ SUBREGION	*Number of Students*	*Percentage of Students*
Africa	**21,890**	**100.0**
Eastern Africa	7,040	32.2
Central Africa	1,690	7.7
North Africa	4,090	18.7
Southern Africa	2,660	12.1
West Africa	6,410	29.3
Asia	**245,810**	**100.0**
East Asia	158,490	64.5
South and Central Asia	46,810	19.0
Southeast Asia	40,510	16.5
Europe	**53,710**	**100.0**
Eastern Europe	6,890	12.8
Western Europe	46,820	87.2
Latin America	**43,200**	**100.0**
Caribbean	11,130	25.8
Central America	12,820	29.7
South America	19,250	44.5
Middle East	**31,210**	—
North America	**19,780**	—
Oceania	**3,870**	—
Stateless	**120**	—
WORLD TOTAL	*419,590*	

AFRICAN STUDENTS

The 21,890 Africans who studied in the United States in 1991/92 constituted 5% of the entire foreign student population (**Table 2.1**). About 30% of the Africans came from countries in West Africa and half of these from Nigeria, despite sharp drops in Nigerian inflows in the last twelve years (**Table 2.2**).

History: Africans have not been a major factor in foreign study in the United States. However, their numbers as well as the share of all foreign students have fluctuated

2.2 *Annual Census: World Region and Leading Country of Origin of Foreign Students, Selected Years, 1949/50 - 1991/92*

WORLD REGION/ COUNTRY	1949/50		1959/60		1969/70		1979/80[1]		1991/92	
	Number of Students Reported	% of Students Reported	Number of Students Reported	% of Students Reported	Number of Students Reported	% of Students Reported	Number of Students Reported	% of Students Reported	Number of Students Reported	% of Students Reported
AFRICA	**904**	**3.4**	**1,959**	**4.0**	**7,607**	**5.6**	**36,180**	**12.6**	**21,890**	**5.2**
Nigeria	176		258		1,851		16,360		3,158	
Kenya	5		156		492		1,850		2,406	
South Africa	155		181		457		1,170		2,005	
Egypt	349		490		1,015		1,650		1,583	
Ethiopia	37		170		540		1,340		1,553	
ASIA	**6,840**	**25.9**	**17,808**	**36.7**	**49,189**	**36.5**	**81,730**	**28.5**	**245,810**	**58.7**
China	—		—		—		1,000		42,941	
Japan	265		2,168		4,156		12,260		40,700	
Taiwan	3,637		4,546		12,029		17,560		35,552	
India	1,357		3,772		1,327		8,760		32,534	
Korea, Rep. of	258		2,474		3,991		4,890		25,719	
EUROPE	**5,574**	**21.1**	**26,392**	**13.2**	**18,524**	**13.7**	**22,570**	**7.9**	**53,710**	**12.8**
Germany	671		720		2,634		3,000		7,573	
United Kingdom	792		993		4,216		4,280		7,470	
France	494		572		1,977		2,250		5,580	
Spain	132		443		1,174		1,100		4,589	
Greece	461		1,095		1,811		3,000		4,489	
LATIN AMERICA	**6,010**	**22.7**	**9,428**	**19.4**	**24,991**	**18.5**	**42,280**	**14.8**	**43,200**	**10.4**
Mexico	825		1,356		2,501		5,650		6,647	
Brazil	423		473		1,349		2,910		4,257	
Venezuela	446		1,126		1,722		9,860		3,126	
Colombia	582		687		2,045		3,200		2,931	
Peru	252		255		780		1,030		2,665	
MIDDLE EAST	**2,207**	**8.4**	**6,477**	**13.4**	**15,122**	**11.2**	**83,700**	**29.2**	**31,210**	**7.3**
Iran	570		2,507		5,175		51,310		4,930	
Turkey	483		835		1,309		2,210		4,560	
Jordan	17		556		909		4,720		3,700	
Saudi Arabia	18		93		1,029		9,540		3,554	
Israel	251		807		2,288		2,730		3,127	
NORTH AMERICA	**4,421**	**16.7**	**5,761**	**11.9**	**13,415**	**9.9**	**15,570**	**5.4**	**19,780**	**4.7**
Canada	4,362		5,679		13,318		15,130		19,194	
OCEANIA	**204**	**0.8**	**2,568**	**1.2**	**2,077**	**1.5**	**4,140**	**1.5**	**3,870**	**0.9**
Australia	149		367		1,077		1,560		2,016	
Pacific Isl. Trust Terr.	14		38		326		1,900		860	
STATELESS	**273**	**1.0**	**93**	**0.2**	**4,034**	**3.0**	**170**	**0.1**	**116**	**0.1**
WORLD TOTAL	***26,433***	***100***	***48,486***	***100***	***134,959***	***100***	***286,340***	***100***	***419,590***	***100***

[1] *Figures for this year are rounded.*

substantially in the past 35 years. In 1949/50, fewer than 1,000 of them could be found in U.S. colleges and universities, a mere 3% of all international students. Between 1950 and 1970, their number increased very rapidly, with an over two-fold rise between 1949 and 1959 and an almost five-fold increase between 1969 and 1979. In 1979/80, a record 36,180 Africans were here, making up a substantial 13% of the international student population. Since 1979, however, inflows from Africa shrank consistently, and in 1991/92, 21,890 Africans studied in this country, a mere 5% of all foreign students.

FIELDS OF STUDY OF AFRICAN STUDENTS

The most popular field of study of African students was business and management. In 1991/92, 19% of them. **(Table 2.3)** chose this field. Engineering and the social sciences, the fields chosen most often in the past, attracted only 15% and 12% respectively. Math and computer science held a greater share of African students than ever before, each enrolling 8%. However, the fine arts and humanities were chosen by less than 5% of the Africans.

History: As shown in **Table 2.4**, the proportion of Africans in business and management fields, a very low 4% in 1950, surged rapidly and steadily in the ensuing three decades and, by the end of the seventies, had reached 19%. In the next ten years, it leveled off, with only a small increase from 1980 to 1990. Conversely, the social sciences, a field traditionally much more popular with Africans than with students from other world regions, experienced steep declines after the early seventies. It went from being the most popular field in the sixties, chosen by nearly 20%, to third place ten years later only attracting as few as 12% of Africans after 1980. Enrollments in engineering held steady around 15% in the fifties and sixties, making this the second most popular field after the social sciences. By 1980, demand for this field had increased substantially, making it the most popular field, but, since then, it declined again, reverting to the traditional 15%. Other fields such as the physical and life sciences and education also saw declines during this period. In the eighties, enrollments in the humanities increased modestly; although the increase is small, it is encouraging when compared to the steady losses in the previous three decades.

Leading African Countries: Students from the leading African sender countries of Nigeria, Kenya, South Africa, and Ethiopia tended to favor business and management, as indicated in **Table 2.3**. Kenyans and Ethiopians were most heavily concentrated in business and management, with 27% and 19%, respectively. Nigerians followed with 17% and the South Africans with 16%. Despite declines in past years, the social sciences also attracted large proportions of students from leading African nations; over 16% of South Africans, 13% of the Nigerians and 12% of the Kenyans enrolled in this field.

Egyptian students differed from other African students both in their considerable concentration in engineering, with nearly four-tenths (38%) going into this field, and in their attraction to the fine arts, where they were the only African nationality to reach 7%. The proportion of Egyptians in business and management is considerably smaller than the African average (11% compared to 20%). Ethiopians were drawn to the health sciences, mathematics and computer science, and physical and life sciences more frequently and to the social sciences less frequently than Africans overall. South Africans differed from other Africans in their somewhat higher preference for education, the humanities, and the social sciences, and their lower preference for engineering. Kenyan students' enrollment in business and management, at 27%, surpassed not only the regional average, but the world average as well. Nigerian enrollments in the health sciences were disproportionately high at 13%.

History: As **Table 2.5** shows, although field-of-study choices have differed over time among students from the various leading African countries, certain uniformities can be discerned. Students from all countries, except Ethiopia, have been moving away from the physical and life sciences, the trend being most pronounced among Nigerians. The social sciences have also seen a drop in enrollments in the period from 1949 to 1989, except among Nigerians. As with many countries worldwide, proportions in mathematics and computer science have increased uniformly for all leading African nations. Increasingly larger concentrations in business and management have historically been the norm for each of the leading sender nations of Africa, but this trend has been reversed since 1989.

ACADEMIC LEVELS OF AFRICAN STUDENTS

Roughly 44% of the foreign students from Africa were studying at the graduate level, up 9% from 1979 (**Tables 2.6, 2.7 and Figure 2.A**). Undergraduate enrollments, at 53%, were lower than enrollments at this level twelve years earlier. This represents a reversal of trends in the past, when rising undergraduate proportions were the rule (**Table 2.7**). The seventies saw a shift in African enrollments from the graduate to undergraduate levels, over 60% being undergraduates during this period. This pattern held constant until the mid-eighties, when graduate enrollments began to increase once again.

2.3 *Field of Study of Foreign Students by World Region and Leading Country of Origin, 1991/92*

WORLD REGION/ COUNTRY	FIELD OF STUDY (Percentages)													Students in Step 3	Students in Step 2
	AGRI	BUS/ MGMT	EDUC	ENGR	FINE ARTS	HLTH SCI	HUM	MATH/ COMP	PHYS SCI	SOC SCI	OTHR	INT ENGL	NOT DECL		
AFRICA	**6.0**	**18.6**	**4.0**	**15.0**	**3.1**	**7.1**	**6.0**	**7.5**	**8.5**	**11.8**	**7.6**	**0.5**	**4.3**	**13,281**	**21,901**
Eastern Africa	**6.9**	**22.3**	**3.6**	**11.1**	**2.3**	**6.8**	**5.8**	**7.5**	**8.3**	**10.9**	**8.3**	**0.3**	**5.8**	**4,416**	**7,042**
Kenya	7.5	27.2	3.9	7.5	2.0	5.1	6.6	7.0	6.6	11.9	8.9	—	5.8	1,476	2,406
Ethiopia	3.5	18.6	2.4	16.1	2.4	8.0	2.7	9.7	11.3	7.1	9.8	0.8	7.6	952	1,553
Central Africa	**10.3**	**21.8**	**3.9**	**13.2**	**2.4**	**8.5**	**5.7**	**5.7**	**8.5**	**9.8**	**6.3**	**0.6**	**3.3**	**901**	**1,690**
Cameroon	8.3	20.3	3.9	15.3	2.1	12.2	3.9	6.0	9.7	8.5	6.2	0.2	3.3	516	972
North Africa	**5.2**	**13.7**	**1.6**	**32.6**	**4.3**	**4.2**	**3.5**	**10.4**	**8.1**	**8.1**	**4.5**	**1.1**	**2.8**	**2,559**	**4,089**
Egypt	3.2	10.9	1.7	37.9	6.6	6.6	2.8	8.2	7.7	6.3	4.4	0.8	3.1	1,003	1,583
Morocco	9.3	21.0	1.4	22.7	2.5	2.5	3.8	13.2	6.6	7.1	5.7	2.1	2.1	634	1,062
Southern Africa	**4.7**	**15.4**	**7.7**	**8.8**	**4.1**	**6.7**	**7.0**	**6.0**	**9.3**	**15.9**	**9.0**	**0.3**	**5.1**	**1,718**	**2,664**
South Africa	1.6	16.0	7.5	8.7	4.4	6.9	8.3	6.2	9.6	16.0	9.4	0.2	5.3	1,246	1,830
West Africa	**5.2**	**18.3**	**4.4**	**11.0**	**2.8**	**9.5**	**7.5**	**6.6**	**8.5**	**13.9**	**8.5**	**0.5**	**3.4**	**3,676**	**6,401**
Nigeria	2.2	17.3	5.1	11.9	3.3	12.9	7.6	5.6	7.1	13.4	9.9	0.2	3.6	1,702	3,158
Ghana	3.5	15.4	2.9	12.2	3.7	7.9	10.3	5.6	14.3	14.9	7.0	—	2.4	630	1,010
ASIA	**1.6**	**20.2**	**2.6**	**20.7**	**5.2**	**3.1**	**3.4**	**10.8**	**10.9**	**7.7**	**7.5**	**2.8**	**3.5**	**145,973**	**245,809**
East Asia	**1.5**	**18.1**	**3.2**	**15.7**	**6.3**	**3.1**	**4.2**	**9.6**	**13.1**	**8.7**	**8.8**	**4.0**	**3.7**	**92,278**	**158,488**
China	2.6	8.4	3.2	20.9	2.6	4.0	2.7	12.3	29.2	7.1	4.1	0.8	2.0	25,850	42,941
Japan	0.5	24.2	2.6	3.7	8.8	1.5	5.7	3.7	2.8	13.3	17.2	8.7	7.3	23,893	40,700
Taiwan	1.6	20.6	4.8	22.4	6.1	3.7	2.4	12.9	9.2	5.2	6.5	2.4	2.2	20,439	35,552
Korea, Rep. of	1.7	14.5	2.9	15.8	8.9	2.4	8.2	8.2	10.6	10.2	7.5	5.5	3.4	15,000	25,719
Hong Kong	0.3	33.1	1.4	17.6	6.0	4.5	1.9	12.2	5.7	6.1	7.1	0.6	3.5	6,921	13,191
South & Central Asia	**1.8**	**15.7**	**1.1**	**36.4**	**2.1**	**3.1**	**1.6**	**16.4**	**9.5**	**5.6**	**3.9**	**0.2**	**2.6**	**29,334**	**46,814**
India	1.3	13.8	1.1	38.8	2.1	3.4	1.8	17.2	9.8	4.9	3.5	0.1	2.1	20,364	32,534
Pakistan	2.9	22.3	0.9	34.2	2.0	2.2	0.7	13.6	6.4	5.6	4.7	0.7	3.9	5,030	8,118
Bangladesh	1.2	16.7	0.7	35.3	2.3	2.4	1.5	15.1	8.4	8.3	4.0	0.4	3.6	1,687	2,784
Sri Lanka	3.6	15.9	1.2	21.5	2.2	3.0	1.7	15.3	17.9	8.7	5.4	0.1	3.6	1,546	2,378
Southeast Asia	**1.7**	**33.4**	**1.9**	**20.7**	**4.7**	**3.4**	**2.2**	**8.9**	**4.4**	**6.3**	**6.8**	**1.8**	**3.8**	**24,361**	**40,507**
Malaysia	1.1	30.0	1.6	29.2	4.9	2.4	1.4	10.4	4.2	5.4	5.7	0.5	3.2	8,256	12,645
Indonesia	3.0	40.7	1.0	19.8	4.4	1.1	1.5	7.0	3.5	5.3	6.3	1.8	4.5	5,793	10,251
Thailand	1.6	39.6	3.2	12.4	5.0	3.2	1.2	7.5	2.9	7.3	7.2	5.4	3.8	4,451	7,685
Singapore	0.6	33.5	1.7	20.5	5.3	1.9	2.9	9.6	3.4	7.2	8.3	0.1	4.9	2,991	4,755
Philippines	2.8	20.1	3.1	9.0	4.1	14.0	4.8	10.0	10.9	8.9	7.9	1.2	3.3	2,236	3,952
EUROPE	**1.4**	**22.3**	**2.5**	**10.4**	**7.0**	**3.1**	**7.9**	**5.9**	**9.1**	**11.6**	**10.4**	**1.5**	**7.1**	**32,087**	**53,708**
Eastern Europe	**1.6**	**13.0**	**1.9**	**10.6**	**6.2**	**2.7**	**7.8**	**11.1**	**14.7**	**9.4**	**8.8**	**2.0**	**10.0**	**4,179**	**6,893**
U.S.S.R.	0.7	13.5	2.9	6.8	5.3	1.2	8.8	7.8	15.9	12.4	10.0	2.8	11.9	1,085	2,019
Yugoslavia	1.2	11.0	1.0	19.5	8.2	2.9	4.3	12.6	14.4	6.4	7.0	0.3	11.3	904	1,431
Poland	2.8	10.2	0.8	10.5	8.7	5.4	10.5	11.5	14.2	7.2	9.8	2.5	5.9	746	1,258
Western Europe	**1.3**	**23.7**	**2.6**	**10.3**	**7.1**	**3.1**	**7.9**	**5.2**	**8.2**	**11.9**	**10.7**	**1.4**	**6.6**	**27,908**	**46,816**
Germany	1.1	19.6	1.8	7.8	7.5	2.3	11.3	5.6	12.1	13.1	8.8	0.6	8.3	4,585	7,573
United Kingdom	0.7	18.8	5.3	6.0	7.8	3.7	8.0	3.7	8.3	16.1	12.8	0.1	8.7	4,639	7,470
France	1.2	32.2	1.3	12.0	5.0	2.5	10.2	2.9	6.5	8.5	9.2	2.5	6.2	3,115	5,580
Spain	2.7	28.4	1.5	10.6	4.7	2.2	9.9	4.4	5.3	10.8	11.4	4.1	3.9	2,945	4,589
Greece	1.2	16.2	2.4	23.3	6.4	3.4	3.6	11.1	12.8	9.5	6.2	0.8	3.0	2,536	4,489

continued on next page

2.3 *Field of Study of Foreign Students by World Region and Leading Country of Origin, 1991/92 (continued)*

WORLD REGION/ COUNTRY	FIELD OF STUDY (Percentages)													Students in Step 3	Students in Step 2
	AGRI	BUS/ MGMT	EDUC	ENGR	FINE ARTS	HLTH SCI	HUM	MATH/ COMP	PHYS SCI	SOC SCI	OTHR	INT ENGL	NOT DECL		
Italy	1.4	18.0	0.9	10.4	7.4	4.1	10.5	6.8	8.4	14.3	10.2	3.1	4.4	1,398	2,486
Norway	0.5	37.3	1.2	16.4	7.0	3.3	1.7	7.2	2.5	7.4	9.9	0.3	5.1	1,444	2,412
Sweden	0.7	30.0	2.3	7.0	8.5	2.1	4.0	3.1	3.8	10.7	16.6	0.7	10.6	1,382	2,270
Netherlands	2.5	27.6	2.3	6.8	5.7	3.5	4.7	3.8	9.5	12.3	12.6	0.5	8.1	1,377	2,100
Switzerland	0.6	18.9	2.3	6.8	16.0	3.0	6.9	4.8	6.5	10.0	13.5	4.3	6.6	800	1,406
Ireland	1.1	23.1	7.4	7.6	4.7	5.9	13.2	4.4	9.1	9.6	9.9	—	4.1	707	1,251
LATIN AMERICA	**3.8**	**21.4**	**3.1**	**15.2**	**5.4**	**4.5**	**4.3**	**5.7**	**7.2**	**9.0**	**11.8**	**3.0**	**5.6**	**26,844**	**43,197**
Caribbean	**2.2**	**27.0**	**3.6**	**12.2**	**4.8**	**8.3**	**2.8**	**5.0**	**6.7**	**8.2**	**14.1**	**0.5**	**4.7**	**6,736**	**11,124**
Jamaica	2.5	29.2	2.2	10.0	4.1	9.1	2.4	4.3	6.4	7.2	18.1	0.1	4.3	1,614	2,641
Trinidad & Tobago	1.0	23.2	3.2	12.7	3.4	10.9	1.6	6.3	8.3	10.6	13.4	0.2	5.2	1,279	2,168
Bahamas	0.6	25.2	5.5	10.9	5.4	8.7	3.5	4.3	8.0	8.4	14.0	—	5.5	1,231	1,925
Dominican Rep.	4.9	22.6	3.1	23.7	5.6	3.1	3.4	5.1	4.1	5.4	12.9	1.6	4.4	611	934
Central America	**5.1**	**19.3**	**3.5**	**17.9**	**4.6**	**2.5**	**4.5**	**6.4**	**6.8**	**8.5**	**9.4**	**3.5**	**8.1**	**8,249**	**12,824**
Mexico	4.5	18.2	2.8	15.1	4.5	2.4	5.4	7.0	7.6	7.4	8.1	5.2	11.7	4,119	6,647
Panama	1.7	26.3	2.3	25.4	4.2	2.8	2.1	5.1	3.9	7.5	12.8	1.8	4.1	1,061	1,720
Honduras	9.7	22.9	6.8	18.4	5.3	2.5	1.9	7.3	3.9	7.6	8.4	2.3	2.9	750	1,093
Costa Rica	9.2	14.8	5.0	13.0	7.0	1.4	4.8	4.1	9.1	14.4	10.0	2.0	5.2	660	946
South America	**3.9**	**19.8**	**2.6**	**15.0**	**6.4**	**3.8**	**5.0**	**5.6**	**7.8**	**9.7**	**12.0**	**3.9**	**4.3**	**11,859**	**19,249**
Brazil	5.4	18.4	2.9	13.3	8.3	5.1	5.2	6.3	8.2	9.4	10.2	2.9	4.4	2,581	4,257
Venezuela	1.8	20.0	2.1	18.9	6.1	2.6	3.0	5.7	6.7	6.3	14.6	8.0	4.1	2,008	3,126
Colombia	3.3	17.6	3.1	15.5	5.4	5.5	5.3	4.4	7.3	7.1	14.4	7.2	3.7	1,821	2,931
Peru	2.9	26.3	2.4	15.0	4.0	2.9	4.5	5.2	7.1	12.7	10.4	2.3	4.2	1,564	2,665
Argentina	4.6	17.2	2.9	10.8	9.1	2.2	7.7	4.5	10.8	12.4	11.8	1.2	4.8	1,249	2,050
Equador	4.9	25.7	0.9	15.7	6.1	2.5	3.1	4.4	5.6	9.8	13.8	2.6	4.9	773	1,217
MIDDLE EAST	**1.3**	**17.6**	**2.3**	**30.1**	**3.5**	**5.7**	**1.8**	**10.4**	**7.0**	**7.8**	**6.9**	**2.2**	**3.4**	**18,555**	**31,208**
Iran	1.5	7.2	2.2	28.9	2.4	15.9	1.1	9.7	15.3	5.5	6.5	0.8	3.0	2,744	4,930
Turkey	1.7	27.1	2.2	26.4	3.2	1.4	1.7	6.4	6.6	11.7	5.0	3.6	3.1	2,847	4,560
Jordan	1.0	17.4	1.8	36.9	2.1	4.5	1.7	12.8	5.6	5.3	6.7	1.2	2.8	2,287	3,700
Saudi Arabia	1.7	15.1	4.7	23.5	2.9	4.0	2.3	15.2	4.8	11.1	6.5	4.7	3.4	2,378	3,554
Israel	0.7	14.5	2.0	19.7	9.3	4.7	3.3	8.7	6.9	13.6	10.3	1.6	4.7	1,687	3,127
Lebanon	1.1	17.6	1.9	37.6	4.0	5.4	1.8	10.1	6.1	4.1	7.3	0.2	2.8	1,780	3,076
Kuwait	0.8	15.6	1.2	38.4	2.0	5.8	1.0	12.3	2.7	4.0	9.5	3.2	3.5	1,073	1,826
Cyprus	0.8	32.4	2.9	20.6	6.2	3.2	1.7	8.3	5.3	8.6	6.0	0.4	3.5	1,018	1,811
Unt. Arab Emirates	0.1	22.2	1.6	38.9	0.7	1.9	1.5	9.0	2.4	4.0	9.0	4.7	4.0	886	1,457
Syria	0.8	14.4	0.8	37.2	3.7	6.9	2.4	14.1	5.3	3.5	6.1	2.6	2.1	623	1,116
NORTH AMERICA	**1.6**	**14.1**	**12.0**	**6.8**	**8.2**	**13.7**	**6.4**	**2.1**	**6.7**	**11.1**	**11.1**	**0.2**	**5.9**	**11,569**	**19,779**
Canada	1.7	13.8	12.1	6.8	8.2	13.8	6.5	2.0	6.8	11.1	11.2	0.2	5.9	11,212	19,194
OCEANIA	**2.1**	**18.9**	**6.8**	**5.2**	**7.1**	**4.8**	**7.6**	**6.0**	**5.1**	**14.0**	**13.9**	**3.6**	**5.1**	**2,336**	**3,867**
Australia	2.2	15.6	7.6	5.7	10.2	6.2	9.8	3.8	5.9	13.7	13.2	0.2	6.0	1,115	2,016
Pacific Island Trust Terr.	0.2	21.5	6.7	6.7	0.9	1.5	0.9	10.5	1.1	8.8	21.1	16.8	3.4	465	860
WORLD TOTAL	***2.0***	***20.0***	***3.2***	***18.4***	***5.4***	***4.2***	***4.2***	***9.0***	***9.6***	***8.8***	***8.5***	***2.4***	***4.3***	***250,771***	***419,585***

Leading Countries: Of the leading sender nations from Africa, Egypt (67%) had the highest proportion of students at the graduate level (**Table 2.6**). The Ethiopian and Kenyan students were predominantly undergraduates (71% and 66%, respectively), while South Africans and Nigerians did not differ from the overall African undergraduate average of 53%.

History: Historical data on the flow from individual countries, presented in **Table 2.8**, show that the proportion of Nigerians who studied at the graduate and undergraduate levels has varied substantially over the last 35 years. While nearly half of them (47%) were graduate students in the mid-fifties, this proportion fell to a low 27% in 1979, only to rise to 43% in 1991. Egyptian's percentage at the graduate level which had dropped below 70% in 1989/90 for the first time since data were collected was up again to 67%. The most violent swing from graduate to undergraduate enrollment, however, occurred among the Ethiopians; while 42% of them were in graduate programs in the late sixties and seventies, only 22% were found in such programs by 1989. However, the proportion rose to 27% in 1991. South African students were evenly divided among graduate and undergraduate levels in the fifties, but by the end of the sixties, only 31% of them were in the latter level. In the following decade, the graduate and undergraduate proportions evened out again, but graduate enrollments fell considerably between 1989 and 1990 to 39%, then rose to 46% in 1991. Comparatively low until 1959, the share of graduate students from Kenya nearly tripled in the next decade to 43%, then declined drastically during the seventies to about 25%, only to rise again to 32% by 1991.

UNDERGRADUATE AFRICAN STUDENTS

Undergraduate Africans constituted 2% of all foreign students in the United States. About two-thirds (64%) of them were male (**Table 2.9 and Figure 2.B**), the second-highest male proportion after Middle Easterners. As with students from other world regions, African undergraduates preferred business and management, (25%), and engineering (15%), to other fields of study (**Table 2.10**). Each of the other major fields of study drew fewer than 10% of the African undergraduate students.

The high proportion of African undergraduates studying business and management is partly explained by the high enrollment of Kenyans in this field, at 33% among the largest proportions worldwide (**Table 2.10**). Nigerian undergraduates were more heavily concentrated in health sciences (16% compared to 8% for the region). South African undergraduates were over-represented in the social sciences and under-represented in engineering, while the greatest proportions of Ethiopian and Egyptian undergraduates enrolled in engineering and math and computer science.

GRADUATE AFRICAN STUDENTS

African graduate students accounted for approximately 1% of all foreign students in this country in 1991/92. More than three-quarters of them (77%) were male (**Table 2.9 and Figure 2.B**), the second highest proportion of males after the Middle Easterners. African graduate students were more evenly distributed among the major fields of study, as indicated in **Table 2.10**, than undergraduates. Engineering was the most frequently chosen field (17%), followed by the social sciences (16%). The business and management field was chosen by only 10% of the graduate students, compared to 25% of undergraduates. African graduate students also enrolled in substantial proportions in physical and life sciences (10%) and agriculture (at 11%, one of the highest proportion of any region).

Field-of-study distributions of graduate students from the leading African countries varied substantially, as can be seen in **Table 2.10**. Higher proportions of Nigerians than of other African graduate students majored in the humanities (15%), in the social sciences (19%) and a lower proportion studied engineering, physical and life sciences, the health sciences, and agriculture. Kenyan graduate students enrolled in significantly above-average proportions in agriculture (16%), humanities (14%), and education (9%). However, they were under-represented in engineering (6%) and math and computer science (3%). Egyptian graduate students, like the undergraduates from that country, favored engineering strongly (42%), choosing it more than twice as often as all Africans, and eschewed business and management (6%), education (2%), and the humanities (3%). Ethiopians overwhelmingly chose the physical and life sciences over other fields, and in much greater proportions (21%) than students from other leading African nations; they were also particularly attracted to the social sciences (12%). South Africans chose social sciences (19%) and humanities (13%) most often.

GENDER OF AFRICAN STUDENTS

Seven of ten (70%) of the African students in the United States this year were male (**Table 2.11 and Figure 2.C**). The proportion of male Nigerian students is in keeping with this average at 71%, while the proportion of Egyptian students who were men (79%) was considerably higher. Interestingly, South Africa and especially Ethiopia sent comparatively high proportions of women: 35% and 43% respectively.

2.4 *Field of Study of Foreign Students by World Region of Origin, Selected Years, 1949/50-1991/92*

WORLD REGION/ YEAR	FIELD OF STUDY (Percentages)													Number of Students Reported
	AGRI	BUS/ MGMT	EDUC	ENGR	FINE ARTS	HLTH SCI	HUM	MATH/ COMP	PHYS SCI	SOC SCI	OTHR[1]	INT ENGL	NOT DECL	
AFRICA														
1949/50	11.0	4.4	7.6	14.9	2.1	10.5	8.6	—	10.1	9.7	21.1	—	—	525
1959/60	5.0	7.6	8.0	13.7	4.1	9.2	8.5	1.5	13.7	18.8	5.3	—	4.6	1.959
1969/70	4.7	11.7	6.3	16.0	3.1	6.4	6.3	2.2	13.5	19.4	5.4	—	5.0	7.607
1979/80	6.4	19.1	5.7	19.8	3.4	5.6	3.9	2.9	9.2	12.1	6.0	0.6	5.3	19.401
1989/90	5.3	19.6	5.0	15.1	2.6	7.2	4.9	7.0	8.0	10.7	8.6	0.8	5.1	15.179
1991/92	6.0	18.6	4.0	15.0	3.1	7.1	6.0	7.5	8.5	11.8	7.6	0.5	4.3	13.281
ASIA														
1949/50	4.5	7.0	7.0	23.0	4.1	5.5	8.9	—	9.5	10.8	19.7	—	—	6.218
1959/60	2.5	8.9	5.1	21.4	4.8	7.1	7.9	3.0	16.5	14.0	6.1	—	2.7	17.808
1969/70	2.7	11.1	4.3	28.5	4.1	4.0	6.0	4.9	17.5	9.4	3.9	—	3.6	51.033
1979/80	2.1	20.0	3.7	20.9	4.3	3.6	5.1	7.2	10.8	8.8	6.0	1.6	5.9	42.405
1989/90	1.7	19.1	2.8	21.5	4.9	2.8	3.4	11.6	11.0	7.6	7.0	2.6	4.2	128.232
1991/92	1.6	20.2	2.6	20.7	5.2	3.1	3.4	10.8	10.9	7.7	7.5	2.8	4.3	145.973
EUROPE														
1949/50	2.0	7.4	4.2	15.4	4.5	7.4	14.8	—	8.0	12.3	24.0	—	—	3.286
1959/60	2.5	7.7	3.5	17.9	5.1	7.3	16.2	2.2	12.9	13.7	7.8	—	3.2	6.392
1969/70	1.6	12.2	4.4	15.8	5.6	3.4	17.5	2.5	10.1	13.4	7.6	—	5.9	18.524
1979/80	1.6	14.0	3.9	14.8	6.1	4.1	11.1	4.1	9.4	11.7	7.8	1.2	10.2	12.702
1989/90	1.2	20.8	2.4	11.5	6.7	3.0	8.4	6.1	8.3	11.1	10.5	1.2	8.7	27.823
1991/92	1.4	22.3	2.5	10.4	7.0	3.1	7.9	5.9	9.1	11.8	10.4	1.5	7.1	32.087
LATIN AMERICA														
1949/50	3.8	12.6	3.6	26.4	4.8	9.4	10.1	—	5.0	4.4	19.9	—	—	3.875
1959/60	5.2	9.1	4.3	26.7	4.9	7.8	12.5	1.0	8.4	7.0	8.8	—	4.3	9.428
1969/70	3.8	12.6	4.2	17.4	4.0	5.8	13.3	2.0	8.7	11.6	11.4	—	5.2	24.991
1979/80	6.2	14.4	5.1	20.1	4.3	3.8	5.3	3.2	8.0	8.3	6.7	6.8	7.8	22.291
1989/90	3.4	18.6	3.3	14.0	4.7	4.1	3.8	5.8	5.8	7.9	16.3	2.2	9.9	29.977
1991/92	3.8	21.4	3.1	15.2	5.4	4.5	4.3	5.7	7.2	9.0	11.8	3.0	5.6	26.844
MIDDLE EAST														
1949/50	5.6	5.9	3.7	32.1	4.8	11.0	6.9	—	6.0	9.0	15.0	—	—	1.803
1959/60	4.4	5.7	4.0	38.8	5.3	6.8	3.8	1.8	10.8	9.7	5.3	—	3.6	6.477
1969/70	2.1	9.2	3.1	36.4	4.9	3.5	5.6	3.2	10.6	12.1	4.5	—	4.8	13.278
1979/80	1.2	12.4	3.1	42.4	3.7	2.6	2.0	5.2	6.1	6.9	5.6	2.5	6.3	41.711
1989/90	1.2	14.8	2.3	31.9	3.3	4.7	1.7	11.5	6.8	7.3	7.1	2.3	5.0	22.613
1991/92	1.3	17.6	2.3	30.1	3.5	5.7	1.8	10.4	7.0	7.8	6.9	2.2	3.4	18.555
NORTH AMERICA														
1949/50	4.2	7.4	6.9	10.6	5.2	13.0	16.2	—	9.6	8.0	18.9	—	—	4.362
1959/60	1.7	10.8	8.4	16.3	5.6	8.8	16.1	1.7	11.1	10.8	7.1	—	1.6	5.761
1969/70	2.3	11.5	15.5	8.2	7.0	4.6	10.8	2.0	9.3	15.6	8.8	—	4.4	13.415
1979/80	2.0	12.5	12.8	7.5	9.8	6.6	10.8	1.8	5.8	10.7	10.0	0.2	9.5	8.698
1989/90	1.5	14.7	8.8	7.5	7.4	13.7	6.4	2.3	6.1	12.5	11.2	0.1	8.0	11.283
1991/92	1.6	14.1	12.0	6.8	8.2	13.7	6.4	2.1	6.7	11.1	11.1	0.2	5.9	11.569
OCEANIA														
1949/50	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1959/60	5.1	7.2	8.1	9.3	5.3	11.3	15.7	1.6	17.2	13.4	4.8	—	1.0	568
1969/70	3.4	10.3	16.6	7.6	5.5	5.3	9.0	3.3	11.5	15.2	7.3	—	5.0	2.077
1979/80	3.2	16.1	14.6	5.0	4.1	7.6	8.5	2.7	6.8	13.9	10.7	—	6.8	2.489
1989/90	2.1	18.3	7.8	5.0	5.7	5.0	8.6	6.0	5.7	12.6	12.3	5.0	6.0	2.360
1991/92	2.1	18.9	6.8	5.2	7.1	4.8	7.6	6.0	5.1	14.0	13.9	3.6	5.1	2.336
WORLD TOTAL														
1949/50	4.3	8.3	5.3	19.5	4.4	9.3	11.9	—	7.9	8.7	20.4	—	—	26.433
1959/60	3.3	8.5	5.1	23.3	5.0	7.6	10.4	2.1	12.9	11.9	6.8	—	3.1	48.486
1969/70	2.7	11.5	5.8	22.0	4.7	4.4	9.4	3.3	12.6	11.7	7.1	—	4.8	134.959
1979/80	3.0	15.9	4.8	25.0	4.5	3.9	5.0	4.8	8.3	9.1	6.5	2.4	6.8	150.878
1989/90	2.0	18.6	3.2	19.1	4.9	4.0	4.1	9.4	9.2	8.5	8.9	2.2	5.8	237.467
1991/92	2.0	20.0	3.2	18.4	5.4	4.2	4.2	9.0	9.6	8.8	8.5	2.4	4.3	250.771

[1] *Fields of study included in this category were not specified in 1949/50.*

— *No students were reported in this category.*

ASIAN STUDENTS

Nearly six-tenths (59%) of the 419,590 foreign students who attended U.S. institutions of higher education in 1991/92 came from Asia, their share of the foreign student population being over four times that of the next leading regional group, Europeans (**Table 2.2**). Six out of ten of all Asian students (33% of the entire foreign student population) were from East Asia; the remainder consists of South and Central Asians and Southeast Asians in proportions of close to 20% each (**Table 2.1**). The Asian students already accounted for over one-third of all foreign students in the sixties and early seventies, but their share shrank in the late seventies and early eighties, partly due to a great influx of Middle Easterners. With the drastic decrease in Iranian and other Middle Eastern student flows since 1979 and a simultaneous increase in the flow of students from Southeast and East Asia, (particularly from China), Asia not only regained its lead but reached an all time high by 1991/92 (**Table 2.2**).

FIELDS OF STUDY OF ASIAN STUDENTS

The largest percentages of Asians studied engineering (21%) and business management (20%). Smaller yet significant proportions majored in mathematics and computer science, and physical and life sciences (11% each). Each of the other fields of study enrolled fewer than 8% of Asians (**Table 2.6** and **Figure 2.A**).

History: A comparison of the distribution of Asians among the various fields of study in 1991/92 with the distribution in the 35 years (**Table 2.4**) reveals comparatively little fluctuation in more recent years. Enrollments in business and management doubled in the seventies, but there has been virtually no change since 1980. Engineering, traditionally in high demand, has remained although its popularity is waning slightly. Mathematics and computer science is the only field to sustain substantial growth in recent years; enrollments here have grown since 1980, from 7% to 11%. It is worth noting that the humanities, the health sciences, education, and agriculture, although never very popular, have attracted steadily declining shares of Asians.

Leading Countries or Other Places: The fields of study chosen by students from different places of origin within Asia vary considerably. Students from Taiwan showed a greater preference for engineering (22%) and for mathematics and computer science (13%), and a lower interest in the physical and life sciences (19%) than most other Asians. Also, a large proportion of students from Taiwan (21%) majored in business and management (**Table 2.3**).

Students from China were unique in their comparatively very high enrollments in the physical and life sciences: nearly three-tenths (29%) enrolled in this field, nearly three times the rate for Asia overall. They also showed a strong preference for engineering (21%) and mathematics and computer science (13%). Conversely, they were much less likely than other Asian students to study business and management (8% compared to an average of 18%).

The fields chosen by the Japanese were vastly different from those selected by students from other leading Asian countries. Although the largest group studied business and management (24%), slightly higher than the regional average, unusually large proportions were in "other" fields (17%), the social sciences (13%), intensive English language programs (9%), the fine arts (9%), and the humanities (6%). On the other hand, their enrollment in such fields as mathematics and computer science (4%), and the physical and life sciences (3%) was considerably lower than other Asian students'; and their enrollment in engineering fields (4%) was the lowest of any leading national group worldwide.

South Koreans were spread out more evenly among the different fields of study, the largest groups studying engineering (16%) and business and management (15%). Interestingly, they chose the social sciences more often than other Asians (10% compared to 8%), and, like the Japanese, were comparatively more enthusiastic about the fine arts (9%) and the humanities (8%).

The overwhelming choice of Indians was engineering, selected by nearly four-tenths of them (39%), among the highest concentrations in engineering of all leading nations. Math and computer science (17%), business and management (14%), and the physical and life sciences (10%) attracted most of the remaining Indians.

History: Significant changes have occurred over the past four decades in the field-of-study choices of students from specific Asian countries (**Table 2.5**). Notable are the increase in popularity of math and computer science among students from Taiwan, China, India, and South Korea, and the almost universal decline in social science and humanities enrollments from 1950 to 1990. Data from the last survey, however, show that these patterns may be changing.

ACADEMIC LEVELS OF ASIAN STUDENTS

At 53%, the proportion of Asians at the graduate level was the highest of any world region (**Table 2.6 and Figure**

2.5 *Field of Study of Foreign Students by Leading Country within World Region of Origin, Selected Years, 1949/50-1991/92*

REGION/ COUNTRY/YEAR	FIELD OF STUDY (Percentages)													Students Reported
	AGRI	BUS/ MGMT	EDUC	ENGR	FINE ARTS	HLTH SCI	HUM	MATH/ COMP	PHYS SCI	SOC SCI	OTHR[1]	INT ENGL	NOT DECL	
AFRICA														
Nigeria														
1949/50	2.3	3.4	11.4	8.5	0.6	17.6	20.4	...	9.1	10.2	16.5	...	...	176
1959/60	3.9	3.5	8.5	10.8	2.7	13.5	3.9	1.2	15.9	24.0	4.7	...	7.4	258
1969/70	4.7	14.4	7.0	13.1	3.1	9.7	4.7	1.9	14.9	18.4	4.4	...	3.7	1,851
1979/80	7.2	22.3	6.6	18.3	5.1	6.9	2.1	1.7	9.0	9.9	6.1	—	4.3	8,353
1989/90	3.2	20.4	10.2	12.3	2.9	10.1	4.5	5.8	5.3	11.2	9.2	0.2	4.5	2,624
1991/92	2.2	17.3	5.1	11.9	3.3	12.9	7.6	5.6	7.1	13.4	9.9	0.2	3.6	1,702
Kenya														
1949/50	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1959/60	1.3	8.3	4.5	8.3	1.3	7.7	4.5	1.3	14.1	39.7	3.9	...	5.1	156
1969/70	5.7	12.2	6.3	7.7	1.6	5.1	4.9	2.2	13.8	27.3	8.3	...	4.9	492
1979/80	6.2	24.9	8.2	6.1	1.7	5.0	6.7	1.6	9.8	16.3	7.0	—	6.5	1,086
1989/90	6.1	28.1	4.1	8.4	2.2	6.4	6.4	6.1	6.1	12.2	8.8	0.1	5.0	1,304
1991/92	7.5	27.2	3.9	7.5	2.0	5.1	6.6	7.0	6.6	11.9	8.9	0.0	5.8	1,476
South Africa														
1949/50	5.8	6.5	3.2	12.3	3.9	16.1	29.7	1.3	11.6	8.0	1.9	...	...	155
1959/60	5.5	6.6	3.3	9.9	8.3	12.7	21.0	2.7	14.9	13.3	—	...	1.7	181
1969/70	1.7	12.7	6.3	13.1	5.0	5.7	12.5	3.7	12.7	12.9	6.1	...	7.4	457
1979/80	2.2	14.3	6.4	10.4	7.1	8.8	13.0	2.5	6.4	16.3	7.9	—	7.4	645
1989/90	1.6	17.2	9.1	9.4	3.7	6.7	7.1	5.1	9.0	12.9	11.4	0.2	6.6	1,275
1991/92	1.6	16.0	7.5	8.7	4.4	6.9	8.3	6.2	9.6	16.0	9.4	0.2	5.3	1,246
Egypt														
1949/50	15.5	4.9	5.7	18.0	2.9	6.9	2.6	...	10.6	9.4	23.5	...	...	349
1959/60	2.2	9.8	11.0	16.5	4.3	8.2	8.2	2.0	15.5	13.3	4.9	...	4.1	490
1969/70	4.8	7.7	2.0	30.9	3.0	5.2	8.1	3.4	16.3	11.8	2.9	...	3.9	1,015
1979/80	4.4	13.6	8.1	27.7	2.7	4.3	4.1	6.1	12.5	6.7	5.2	0.5	4.1	930
1989/90	3.4	13.0	2.0	31.3	5.0	5.9	3.1	8.9	9.8	7.6	4.6	0.6	4.8	1,131
1991/92	3.2	10.9	1.7	37.9	6.6	6.6	2.8	8.2	7.7	6.3	4.4	0.8	3.1	1,003
Ethiopia														
1949/50	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1959/60	2.9	12.3	11.8	17.1	5.9	...	10.0	6.5	10.6	18.8	4.1	...	...	170
1969/70	7.0	15.6	7.0	15.2	3.1	5.7	2.2	0.4	7.8	23.2	9.1	...	3.7	540
1979/80	5.6	12.8	3.0	13.1	2.1	5.9	4.4	4.7	13.1	19.9	6.5	—	8.9	697
1989/90	2.9	20.8	2.0	14.0	2.1	9.5	2.5	9.7	10.9	6.6	11.3	1.6	6.0	1,233
1991/92	3.5	18.6	2.4	16.1	2.4	8.0	2.7	9.7	11.3	7.1	9.8	0.8	7.6	952
ASIA														
China														
1949/50	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1959/60	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1969/70	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1979/80	7.3	10.9	5.3	12.7	3.2	4.4	5.6	9.1	16.5	6.5	3.5	8.6	6.2	339
1989/90	2.3	8.1	2.9	20.1	3.0	3.5	3.1	13.2	28.5	7.4	4.1	0.9	2.9	21,753
1991/92	2.6	8.4	3.2	20.9	2.6	4.0	2.7	12.3	29.2	7.1	4.1	0.8	2.0	25,850
Japan														
1949/50	1.1	13.2	3.4	9.3	9.0	3.3	18.4	1.5	11.2	21.4	6.6	—	1.6	1,572
1959/60	1.2	14.7	4.3	10.0	9.3	4.1	14.4	2.1	13.5	16.9	7.2	—	2.3	2,168
1969/70	1.2	15.9	5.3	12.2	11.4	2.5	18.8	3.5	8.6	15.0	1.9	—	3.7	4,156
1979/80	1.0	19.2	3.6	7.0	7.58	2.2	11.8	3.4	5.0	12.7	9.4	6.3	10.6	6,566
1989/90	0.5	21.4	3.6	5.1	8.3	1.3	7.5	3.2	2.7	11.6	15.1	10.7	8.9	18,584
1991/92	0.5	24.2	2.6	3.7	8.8	1.5	5.7	3.7	2.8	13.3	17.2	8.7	7.3	23,893

[1] *Fields of study in this category were not specified in 1949/50*
—No students were reported in this category
. . . Data are not available for this category

continued on next page

2.5 *Field of Study of Foreign Students by Leading Country within World Region of Origin, Selected Years, 1949/50-1991/92 (continued)*

REGION/ COUNTRY/YEAR	FIELD OF STUDY (Percentages)													Students Reported
	AGRI	BUS/ MGMT	EDUC	ENGR	FINE ARTS	HLTH SCI	HUM	MATH/ COMP	PHYS SCI	SOC SCI	OTHR[1]	INT ENGL	NOT DECL	
Taiwan														
1949/50	3.9	6.9	6.8	21.9	4.0	4.7	8.5	...	10.9	12.0	20.4	...	...	3.637
1959/60	1.4	4.9	3.7	27.8	5.4	6.6	6.5	4.4	21.6	8.2	6.7	...	2.8	4.546
1969/70	3.2	6.6	3.6	28.9	2.9	2.5	4.9	8.7	25.0	6.2	3.8	...	3.7	12.029
1979/80	2.0	16.7	3.3	26.9	3.4	2.7	3.2	12.0	15.3	6.8	4.8	0.4	2.5	9.099
1989/90	1.9	16.5	4.7	26.0	4.9	3.1	2.3	15.7	10.2	4.9	5.6	1.2	3.2	17.819
1991/92	1.6	20.6	4.8	22.4	6.1	3.7	2.4	12.9	9.2	5.2	6.5	2.4	2.2	20.439
India														
1949/50	8.1	5.9	4.8	36.5	2.6	5.4	4.9	...	8.0	6.0	17.8	...	...	1.359
1959/60	4.4	8.4	3.4	34.1	1.7	6.0	4.2	3.3	19.6	9.1	3.1	...	2.7	3.772
1969/70	2.8	7.1	2.5	48.8	1.6	2.2	3.6	3.3	17.4	5.8	2.0	...	2.9	11.327
1979/80	1.6	20.5	2.1	30.7	1.7	3.0	4.1	6.6	16.3	6.5	1.0	—	2.9	5.073
1989/90	1.3	15.5	1.1	35.3	2.2	3.0	1.8	16.9	10.6	5.9	4.0	0.1	2.3	17.350
1991/92	1.3	13.8	1.1	38.8	2.1	3.4	1.8	17.2	9.8	4.9	3.5	0.1	2.1	20.364
Korea, Rep. of														
1949/50	2.7	3.5	6.6	8.1	7.0	8.1	19.4	...	6.6	17.5	20.5	...	...	258
1959/60	1.2	9.7	3.9	14.4	6.3	6.2	11.4	2.5	13.8	28.0	2.6	...	...	2.474
1969/70	2.0	10.8	3.9	20.7	7.2	3.1	10.7	5.2	15.0	14.3	3.9	...	3.2	3.991
1979/80	1.7	15.5	2.9	17.5	8.5	2.2	10.1	5.2	10.8	13.8	5.0	1.4	5.4	2.633
1989/90	1.7	14.7	3.3	18.5	7.3	1.9	6.2	9.3	12.4	11.6	6.5	3.1	3.4	12.916
1991/92	1.7	14.5	2.9	15.8	8.9	2.4	8.2	8.2	10.6	10.2	7.5	5.5	3.4	15.000
EUROPE														
Germany														
1949/50	1.3	3.7	7.5	4.8	4.2	4.3	19.9	...	7.2	21.0	26.1	...	...	671
1959/60	1.9	5.5	2.1	10.6	5.5	5.8	26.3	1.7	11.7	15.6	10.0	...	3.3	720
1969/70	1.3	9.3	4.0	11.0	5.2	3.5	25.1	1.9	8.7	14.2	9.0	...	6.8	2.634
1979/80	0.8	10.4	3.1	8.3	5.9	3.6	17.0	5.4	9.9	13.1	10.7	1.2	10.6	1.731
1989/90	1.0	15.8	2.3	9.2	6.9	2.2	11.4	5.4	10.9	14.1	10.8	0.8	9.2	4.318
1991/92	1.1	19.6	1.8	7.8	7.5	2.3	11.3	5.6	12.1	13.1	8.8	0.6	8.3	4.585
United Kingdom														
1949/50	1.1	6.3	2.8	14.6	5.6	13.5	13.5	...	10.6	9.8	22.2	...	...	829
1959/60	2.6	6.5	2.9	9.8	4.1	12.4	15.7	2.2	17.9	17.3	5.5	...	3.1	993
1969/70	1.6	12.7	6.9	11.4	6.7	3.5	12.2	2.3	12.0	15.8	7.7	...	7.2	4.216
1979/80	1.7	14.2	6.0	10.6	7.3	4.6	10.5	3.8	10.1	12.9	8.5	—	9.8	2.572
1989/90	0.7	18.5	4.1	7.6	7.5	3.8	7.9	3.3	8.6	14.4	13.3	0.1	10.3	4.254
1991/92	0.7	18.8	5.3	6.0	7.8	3.7	8.0	3.7	8.3	16.1	12.8	0.1	8.7	4.639
France														
1949/50	1.6	8.5	3.2	11.5	2.6	4.9	16.0	...	6.7	13.4	31.6	...	...	506
1959/60	1.4	13.3	1.8	18.2	3.8	7.3	18.9	2.3	13.5	10.1	7.5	...	1.9	572
1969/70	0.9	17.7	1.9	17.1	4.3	2.0	25.6	1.8	7.3	10.8	5.5	...	5.1	1.977
1979/80	0.9	17.8	1.1	17.6	6.4	6.7	16.5	2.5	5.5	8.4	6.0	1.8	8.8	1.255
1989/90	1.1	30.0	1.2	12.8	5.2	2.2	9.5	3.4	6.3	7.1	10.0	1.7	9.3	3.097
1991/92	1.2	32.2	1.3	12.0	5.0	2.5	10.2	2.9	6.5	8.5	9.2	2.5	6.2	3.115
Spain														
1949/50	...	...	...	...	...	...	...	...	...	...	...	...	...	132
1959/60	1.5	9.3	3.0	13.4	3.7	5.9	35.7	1.9	13.0	11.5	1.1	—	—	276
1969/70	2.0	8.0	6.5	15.7	2.6	1.6	37.4	1.6	9.5	14.8	—	—	—	494
1979/80	3.5	12.9	2.4	16.0	4.2	2.4	13.4	4.5	10.6	13.4	5.4	2.8	8.5	425
1989/90	2.2	22.9	1.6	10.3	5.6	2.6	13.0	5.2	5.2	9.0	9.4	2.1	10.9	2.245
1991/92	2.7	28.4	1.5	10.6	4.7	2.2	9.9	4.4	5.3	10.8	11.4	4.1	3.9	2.945

[1] *Fields of study in this category were not specified in 1949/50*

—No students were reported in this category

. . . Data are not available for this category

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2.5 *Field of Study of Foreign Students by Leading Country within World Region of Origin, Selected Years, 1949/50-1991/92 (continued)*

REGION/ COUNTRY/YEAR	FIELD OF STUDY (Percentages)													Students Reported
	AGRI	BUS/ MGMT	EDUC	ENGR	FINE ARTS	HLTH SCI	HUM	MATH/ COMP	PHYS SCI	SOC SCI	OTHR[1]	INT ENGL	NOT DECL	
Greece														
1949/50	1.5	7.6	3.3	19.5	3.9	8.7	13.0	...	10.2	10.8	21.5	...	...	461
1959/60	1.9	6.1	5.2	29.9	4.2	4.8	7.5	3.3	14.5	12.0	6.9	...	3.7	1,095
1969/70	1.2	6.2	2.3	31.8	5.1	2.2	10.3	3.8	13.1	12.3	6.7	...	5.0	1,811
1979/80	1.3	12.8	2.3	32.7	4.2	2.0	4.7	5.4	11.8	10.8	5.2	1.3	5.5	1,623
1989/90	1.5	15.3	2.8	22.7	4.3	3.1	3.5	13.4	12.4	10.3	5.9	1.1	3.8	2,638
1991/92	1.2	16.2	2.4	23.3	6.4	3.4	3.6	11.1	12.8	9.5	6.2	0.8	3.0	2,536
LATIN AMERICA														
Mexico														
1949/50	5.0	9.6	1.9	23.8	3.9	5.7	16.4	...	5.1	3.3	25.3	...	...	825
1959/60	5.8	9.7	2.3	16.8	4.7	3.1	37.6	0.7	7.5	3.9	6.1	...	1.8	1,356
1969/70	3.9	15.3	4.2	16.9	5.1	4.7	15.2	3.6	7.7	10.9	7.2	...	5.3	2,501
1979/80	5.8	10.7	4.2	16.0	4.0	2.9	3.6	3.6	7.4	8.1	7.1	20.0	6.6	3,642
1989/90	4.6	17.6	3.2	13.1	5.4	2.6	6.2	6.6	8.1	8.1	8.4	4.1	12.1	3,638
1991/92	4.5	18.2	2.8	15.1	4.5	2.4	5.4	7.0	7.6	7.4	8.1	5.2	11.7	4,119
Brazil														
1949/50	3.8	8.0	3.5	33.8	5.2	6.2	9.2	...	6.6	7.6	16.1	...	...	423
1959/60	1.1	8.2	11.6	21.1	5.1	8.7	12.0	1.1	9.9	10.8	4.7	...	5.7	473
1969/70	6.6	10.1	4.9	19.0	4.6	3.0	13.1	3.4	10.5	16.2	4.7	...	3.9	1,349
1979/80	10.4	11.5	6.6	15.5	6.2	3.0	7.7	3.7	9.9	10.8	6.0	1.6	7.1	1,591
1989/90	4.2	14.0	3.6	13.4	8.7	3.0	5.5	6.8	8.5	9.1	11.8	4.7	6.7	2,282
1991/92	5.4	18.4	2.9	13.3	8.3	5.1	5.2	6.3	8.2	9.4	10.2	2.9	4.4	2,581
Venezuela														
1949/50	5.6	9.2	7.8	31.0	3.6	10.0	4.0	...	4.9	2.5	21.5	...	...	446
1959/60	3.2	9.1	1.2	47.0	4.5	2.9	7.8	0.6	8.5	8.6	6.5	...	...	1,126
1969/70	6.0	14.2	1.8	29.1	4.6	3.8	17.5	1.4	10.6	8.5	2.5	...	...	1,722
1979/80	6.7	10.0	4.1	28.1	3.8	1.1	4.2	3.2	7.0	3.7	4.9	7.3	15.8	5,543
1989/90	2.7	18.8	3.1	16.3	5.9	2.5	2.8	5.8	6.6	6.7	13.6	3.4	11.8	1,797
1991/92	1.8	20.0	2.1	18.9	6.1	2.6	3.0	5.7	6.7	6.3	14.6	8.0	4.1	2,008
Colombia														
1949/50	4.1	10.8	0.9	33.2	9.8	6.6	5.3	...	4.8	4.6	19.9	...	...	582
1959/60	7.3	8.3	1.6	38.8	4.5	9.2	6.4	0.6	7.4	7.7	6.0	...	2.2	687
1969/70	6.9	11.8	4.4	21.0	3.5	3.5	16.0	1.9	9.0	12.8	4.1	...	5.1	2,045
1979/80	6.5	17.1	3.8	19.7	3.7	3.3	5.1	3.7	6.9	8.7	6.4	5.5	96.0	1,446
1989/90	3.0	15.2	3.0	15.6	6.1	3.4	5.7	5.6	5.7	8.0	15.8	4.5	8.6	2,092
1991/92	3.3	17.6	3.1	15.5	5.4	5.5	5.3	4.4	7.3	7.1	14.4	7.2	3.7	1,821
Peru														
1949/50	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1959/60	8.2	13.1	5.1	29.4	22.6	0.3	16.5	—	1.0	2.3	—	—	—	388
1969/70	4.8	19.6	2.9	23.0	3.1	3.9	16.7	2.9	13.1	15.3	0.7	—	—	1,134
1979/80	2.3	21.9	3.1	25.1	3.9	2.4	5.6	3.0	6.6	10.6	5.6	2.0	8.3	933
1989/90	1.9	22.9	2.6	13.3	3.8	2.2	3.7	5.5	4.9	11.0	18.2	2.0	8.0	1,722
1991/92	2.9	26.3	2.4	15.0	4.0	2.9	4.5	5.2	7.1	12.7	10.4	2.3	4.2	1,564
MIDDLE EAST														
Iran														
1949/50	3.0	8.1	3.2	18.9	4.0	20.0	11.4	...	5.4	10.7	15.3	...	...	570
1959/60	5.9	3.6	2.9	43.9	6.3	9.2	3.0	1.4	9.6	5.8	4.6	...	3.8	2,507
1969/70	1.9	6.9	1.9	44.7	4.6	3.0	4.8	3.3	10.5	9.3	3.5	...	5.6	5,175
1979/80	1.2	11.5	2.5	44.7	4.3	2.5	1.5	5.9	6.6	5.8	5.7	1.3	6.5	25,526
1989/90	1.4	6.8	2.1	29.1	2.3	11.8	1.0	11.3	14.2	5.2	9.0	1.0	4.7	4,556
1991/92	1.5	7.2	2.2	28.9	2.4	15.9	1.1	9.7	15.3	5.5	6.5	0.8	3.0	2,744

[1] *Fields of study in this category were not specified in 1949/50*

—No students were reported in this category

. . . Data are not available for this category

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2.5 *Field of Study of Foreign Students by Leading Country within World Region of Origin, Selected Years, 1949/50-1991/92 (continued)*

REGION/ COUNTRY/YEAR	FIELD OF STUDY (Percentages)													Students Reported
	AGRI	BUS/ MGMT	EDUC	ENGR	FINE ARTS	HLTH SCI	HUM	MATH/ COMP	PHYS SCI	SOC SCI	OTHR[1]	INT ENGL	NOT DECL	
Turkey														
1949/50	3.3	4.1	1.5	55.1	3.1	3.7	2.9	...	5.4	5.4	15.5	—	—	483
1959/60	2.5	5.3	5.9	39.3	6.0	5.3	7.3	1.0	8.5	9.6	5.1	—	4.2	835
1969/70	3.7	10.2	2.2	33.5	4.0	2.5	6.6	2.5	12.8	16.4	3.2	—	2.4	1,309
1979/80	0.7	16.5	1.6	39.6	2.9	1.0	2.7	5.2	7.3	9.2	5.0	2.8	5.5	1,209
1989/90	1.8	20.8	2.1	27.8	3.1	1.5	1.8	8.0	7.5	10.6	4.9	3.8	6.4	2,159
1991/92	1.7	27.1	2.2	26.4	3.2	1.4	1.7	6.4	11.7	5.0	4.9	3.6	3.1	2,847
Jordan														
1949/50	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1959/60	2.9	6.6	3.4	33.4	2.0	7.7	2.0	2.5	16.4	16.4	4.0	...	2.7	556
1969/70	1.2	11.8	4.2	33.2	1.9	4.5	5.9	3.9	114.0	12.4	6.2	...	3.4	909
1979/80	0.4	10.4	2.8	50.8	2.0	1.7	2.6	4.8	4.2	5.1	4.7	4.6	5.9	2,236
1989/90	0.6	18.0	2.2	37.7	2.3	2.7	1.7	10.8	4.7	5.5	5.8	3.6	4.3	2,891
1991/92	1.0	17.4	1.8	36.9	2.1	4.5	1.7	12.8	5.6	5.3	6.7	1.2	2.8	2,287
Saudi Arabia														
1949/50	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1959/60	4.3	15.1	1.1	20.4	2.1	6.5	1.1	...	7.5	23.7	16.1	...	2.1	93
1969/70	1.3	12.8	2.9	31.9	3.1	1.2	3.2	3.1	7.7	18.5	7.3	...	7.0	1,029
1979/80	1.2	14.5	7.4	30.0	2.1	2.8	2.0	3.9	4.2	12.9	5.6	6.6	6.8	4,795
1989/90	1.4	13.9	4.6	25.8	2.6	2.5	2.5	17.1	3.9	10.4	6.5	3.5	5.4	2,605
1991/92	21.7	15.1	4.7	23.5	2.9	4.0	2.3	15.2	4.8	11.1	6.5	4.7	3.4	2,378
Israel														
1949/50	5.6	4.0	8.4	22.7	11.2	8.0	6.8	...	6.0	11.2	16.3	...	...	251
1959/60	3.1	5.9	6.6	28.9	7.6	5.0	4.3	1.9	13.4	15.9	7.4	...	...	785
1969/70	1.7	12.6	6.9	22.1	9.5	3.7	9.6	2.4	9.9	15.3	6.6	...	...	2,156
1979/80	1.1	14.3	5.8	21.4	7.6	3.6	7.5	4.9	6.8	15.9	3.8	0.9	6.5	1,407
1989/90	0.4	15.0	3.5	18.8	8.3	3.8	4.2	10.3	6.3	13.3	10.3	1.4	4.4	1,672
1991/92	0.7	14.5	2.0	19.7	9.3	4.7	3.3	8.7	6.9	13.6	10.3	1.6	4.7	1,687
NORTH AMERICA														
Canada														
1949/50	4.2	7.4	6.9	10.6	5.2	13.0	16.2	...	9.6	8.0	18.9	...	...	4,362
1959/60	1.7	10.8	8.3	16.4	5.6	8.9	16.2	1.7	11.1	10.9	6.9	...	1.5	5,679
1969/70	2.4	11.4	15.5	8.3	6.9	4.6	10.8	2.0	9.3	15.6	8.9	...	4.3	13,318
1979/80	2.0	12.1	12.7	7.6	10.0	6.6	11.0	1.7	5.8	10.7	10.0	0.2	9.6	8,434
1989/90	1.5	13.8	8.8	7.5	7.4	14.1	6.5	2.3	6.2	12.6	11.1	0.1	8.0	10,773
1991/92	1.7	13.8	12.1	6.8	8.2	13.8	6.5	2.0	6.8	11.1	11.2	0.2	5.9	11,212
OCEANIA														
Australia														
1949/50	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1959/60	6.8	6.5	6.5	12.5	5.7	7.4	16.9	1.6	17.2	14.2	3.6	...	1.1	367
1969/70	4.1	9.2	13.0	9.0	7.1	4.4	11.7	3.1	11.6	16.2	6.0	...	4.6	1,077
1979/80	2.7	9.2	15.2	5.6	8.1	6.2	15.2	3.4	11.0	11.7	6.2	—	5.5	913
1989/90	2.2	14.9	9.0	5.3	8.8	7.2	12.6	4.1	6.9	11.5	11.5	0.5	5.6	1,089
1991/92	2.2	15.6	7.6	5.7	10.2	6.2	9.8	3.8	5.9	13.7	13.2	0.2	6.0	1,115
Pacific Is. Trust Terr.														
1949/50	7.1	7.1	14.3	7.1	—	35.7	—	—	—	29.6	—	...	...	14
1959/60	2.6	21.1	25.0	2.6	—	5.3	13.2	3.6	2.6	36.8	7.9	...	2.6	38
1969/70	0.3	11.7	24.5	6.1	2.1	12.0	2.8	1.8	5.2	16.9	12.6	...	4.0	326
1979/80	2.9	23.1	15.4	4.7	1.0	8.0	1.5	1.4	3.0	15.4	14.9	—	8.5	1,192
1989/90	0.4	21.2	2.2	6.2	—	3.7	3.3	9.2	2.6	16.1	27.5	—	7.7	273
1991/92	0.2	21.5	6.7	6.7	0.9	1.5	0.9	10.5	1.1	8.8	21.1	16.8	3.4	465

[1] *Fields of study in this category were not specified in 1949/50.*
— No students were reported in this category.
... Data are not available for this category.

2.6 *Academic Level of Foreign Students by World Region and Leading Country of Origin, 1991/92*

WORLD REGION/ COUNTRY	ACADEMIC LEVEL			Students Reported
	Undergraduate	Graduate	Other	
AFRICA	**52.7**	**43.8**	**3.4**	**13,384**
Eastern Africa	**62.0**	**35.2**	**2.8**	**4,487**
Kenya	66.2	31.8	2.0	1,469
Ethiopia	71.0	26.5	2.6	975
Central Africa	**54.1**	**40.5**	**5.4**	**865**
Cameroon	57.4	38.8	3.8	477
North Africa	**35.5**	**60.2**	**4.3**	**2,617**
Egypt	28.0	67.0	4.9	1,034
Morocco	59.4	36.5	4.1	631
Southern Africa	**56.1**	**42.1**	**1.8**	**1,755**
South Africa	52.6	45.6	1.8	1,290
West Africa	**51.6**	**44.5**	**3.9**	**3,649**
Nigeria	52.8	43.1	4.1	1,679
Ghana	45.9	51.6	2.5	632
ASIA	**41.6**	**53.2**	**5.2**	**149,292**
East Asia	**38.8**	**54.8**	**6.5**	**95,425**
China	13.7	83.2	3.1	26,476
Japan	70.0	18.2	11.7	24,834
Taiwan	26.6	68.3	5.1	20,769
Korea, Rep. of	31.7	60.8	7.5	15,832
Hong Kong	72.4	24.8	2.8	7,331
South & Central Asia	**32.0**	**65.9**	**2.1**	**29,446**
India	18.8	79.0	2.2	20,364
Pakistan	64.1	34.1	1.7	5,147
Bangladesh	58.8	38.8	2.4	1,691
Sri Lanka	54.6	43.3	2.1	1,539
Southeast Asia	**64.2**	**31.6**	**4.1**	**24,421**
Malaysia	79.5	18.3	2.2	8,140
Indonesia	63.3	32.0	4.7	5,930
Thailand	35.9	56.0	8.1	4,370
Singapore	74.0	24.4	1.5	2,997
Philippines	51.8	44.6	3.6	2,312
EUROPE	**51.2**	**42.0**	**6.7**	**33,318**
Eastern Europe	**44.3**	**47.9**	**7.8**	**4,411**
U.S.S.R.	41.2	46.2	12.6	1,159
Yugoslavia	39.8	56.1	4.2	938
Poland	46.2	47.2	6.6	769
Western Europe	**52.3**	**41.2**	**6.6**	**28,907**
Germany	42.5	48.8	8.7	4,831
United Kingdom	58.9	36.3	4.8	4,659
France	42.0	49.0	9.0	3,226
Spain	60.2	32.8	7.0	3,123
Greece	43.0	54.8	2.3	2,647
Italy	42.8	46.4	10.7	1,490
Norway	73.0	24.5	2.5	1,483
Sweden	76.9	18.2	4.9	1,392
Netherlands	55.0	39.7	5.3	1,454
Switzerland	55.7	32.4	11.9	851
Ireland	47.9	46.0	6.1	693
LATIN AMERICA	**63.5**	**31.1**	**5.4**	**27,945**
Caribbean	**80.2**	**18.1**	**1.7**	**7,023**
Jamaica	78.0	20.8	1.2	1,751
Trinidad & Tobago	78.2	20.3	1.5	1,349
Bahamas	88.7	10.4	1.0	1,234
Dominican Rep.	64.8	31.5	3.7	645
Central America	**64.5**	**29.0**	**6.6**	**8,625**
Mexico	57.7	34.2	8.1	4,451
Panama	80.3	15.4	4.2	1,088
Hnduras	76.0	19.0	5.0	746
South America	**53.3**	**40.0**	**6.7**	**12,297**
Brazil	44.6	49.4	6.0	2,718
Venezuela	54.8	34.5	10.7	2,084
Colombia	51.4	38.8	9.7	1,888
Peru	61.7	33.3	5.0	1,620
Argentina	45.4	50.8	3.8	1,294
Equador	67.9	26.3	5.8	795
MIDDLE EAST	**55.8**	**38.8**	**5.4**	**18,035**
Iran	51.4	44.8	3.8	2,842
Turkey	35.4	57.5	7.1	2,917
Jordan	65.1	32.5	2.4	2,291
Saudi Arabia	48.4	42.3	9.3	2,351
Israel	51.1	45.1	3.8	1,757
Lebanon	56.9	40.2	2.9	1,790
Kuwait	76.2	16.0	7.8	1,103
Cyprus	68.3	27.8	4.0	1,112
Unit. Arab Emirates	83.3	8.5	8.3	909
Syria	57.1	36.5	6.4	594
NORTH AMERICA	**56.1**	**42.1**	**1.8**	**11,679**
Canada	55.1	43.1	1.9	11,322
OCEANIA	**56.1**	**35.7**	**8.2**	**2,423**
Australia	44.9	50.6	4.5	1,180
Pacific Islands Trust Territory	74.0	1.2	24.7	485
WORLD TOTAL	**47.6**	**47.1**	**5.2**	**257,102**

2.A). Undergraduates accounted for only 42% of the Asian students; the remaining 5% attended intensive English language and non-degree programs, or were in technical training. High as the percentage of graduate students from Asia may seem when compared to other regions, it was even higher in the late sixties at 59%. Since 1959, the majority of Asian students in the U.S. have been at the graduate level (**Table 2.7**).

The graduate-to-undergraduate ratio of Asian students from different countries or other places varied widely, although most of the leading senders had very high proportions of graduate students (**Table 2.6 and Figure 2.A**). Over eight-tenths (83%) of the Chinese, for instance and nearly as many of the Indians (79%), were enrolled in graduate programs. Also at this level were 68% of the students from Taiwan and 61% of the students from Korea. By sharp contrast, only 18% of Japanese studied at the graduate level.

History: The proportions of graduate students from Taiwan, India, and South Korea have traditionally been large. The graduate proportion of Indian students has been close to two-thirds since 1954. For most other countries the proportion has been above 50% ever since the late sixties (**Table 2.8**). Similarly, the Chinese students have been characterized by an increasing shift to graduate study over the years; two-thirds of the Chinese were studying at the graduate level in 1980, but as many as 83% did so in 1991. The graduate-to-undergraduate ratio of Japanese foreign students has been less stable. More than half were studying at the graduate level in 1960, yet, ten years later, only 31% were found there. During the eighties, that proportion fell further, reaching a low 20% by the end of the decade and falling to a record low of 18% in the nineties.

UNDERGRADUATE ASIAN STUDENTS

A little less than six-tenths of Asian undergraduate students (57%) were male (**Table 2.9 and Figure 2.B**). Asian undergraduates concentrated in the fields of business and management (29%), engineering (15%), and mathematics and computer science (10%) (**Table 2.10**). This distribution among the various fields of study can be observed among students from China, Taiwan, and South Korea as well. Atypically, however, Chinese undergraduates chose the physical and life sciences more than twice as often as all Asians (9% compared to 4%). Also atypically, South Koreans showed a remarkable attraction to the fine arts: 15% were enrolled there compared to a regional average of 8% and a worldwide average of 7%. Japanese undergraduates were out of keeping with other Asians. Like other groups, they flocked to business and management programs (26%); however, they payed scant attention to engineering (3%) and math and computer science (4%). Moreover, they chose the social sciences (14%), the humanities (5%), and fine and applied arts (11%) much more frequently that other Asians. Indian undergraduates were characterized by their above the Asian average enrollment in engineering (24%) and below the Asian average enrollment in business and management (20%).

GRADUATE ASIAN STUDENTS

Seven out of ten (70%) of the graduate students from Asia in 1991/92 were male, as shown in **Table 2.9 and Figure 2.B**. The fields of study selected by Asian graduate students were more diversified than those selected by undergraduates. The most popular field of study was engineering, chosen by 26%, a proportion 11 percentage points over that of undergraduates (**Table 2.10**). Only 14% selected business and management, a field which attracted as many as 29% of undergraduates. This was followed by the physical and life sciences enrolling 17% of the graduate students, four times as many as undergraduate students. Also, sizeable groups of Asian graduates chose math and computer science (12%) and the social sciences (at 8%, a proportion larger than that of undergraduates in this field).

Table 2.10, reveals that graduate students from various Asian countries and other places differed in their field-of-study choices. Graduate students from China showed an uncharacteristically strong preference for the physical and life sciences (33%), a below-the-regional-average affinity for engineering (23%), and comparatively low enrollment in business and management fields (6%). Indian graduate students selected engineering in very high proportions (43%) and math and computer science (17%) in higher proportions than graduate Asians overall. They showed less enthusiasm for the physical and life sciences (10%) and tended to avoid the social sciences (5% as opposed to 8% for the region).

South Koreans, like other Asians, were drawn primarily to engineering (21%), the physical and life sciences (15%), and business and management (12%). However, they chose the humanities (11%), and social sciences (13%) more often. Japanese graduate students' field-of-study choices were significantly different from the choices of other Asians. For instance, twice as many Japanese as Asians overall pursued business and management (29%)

2.6.1 *Disaggregate Academic Level of Foreign Students by World Region of Origin, 1991/92*

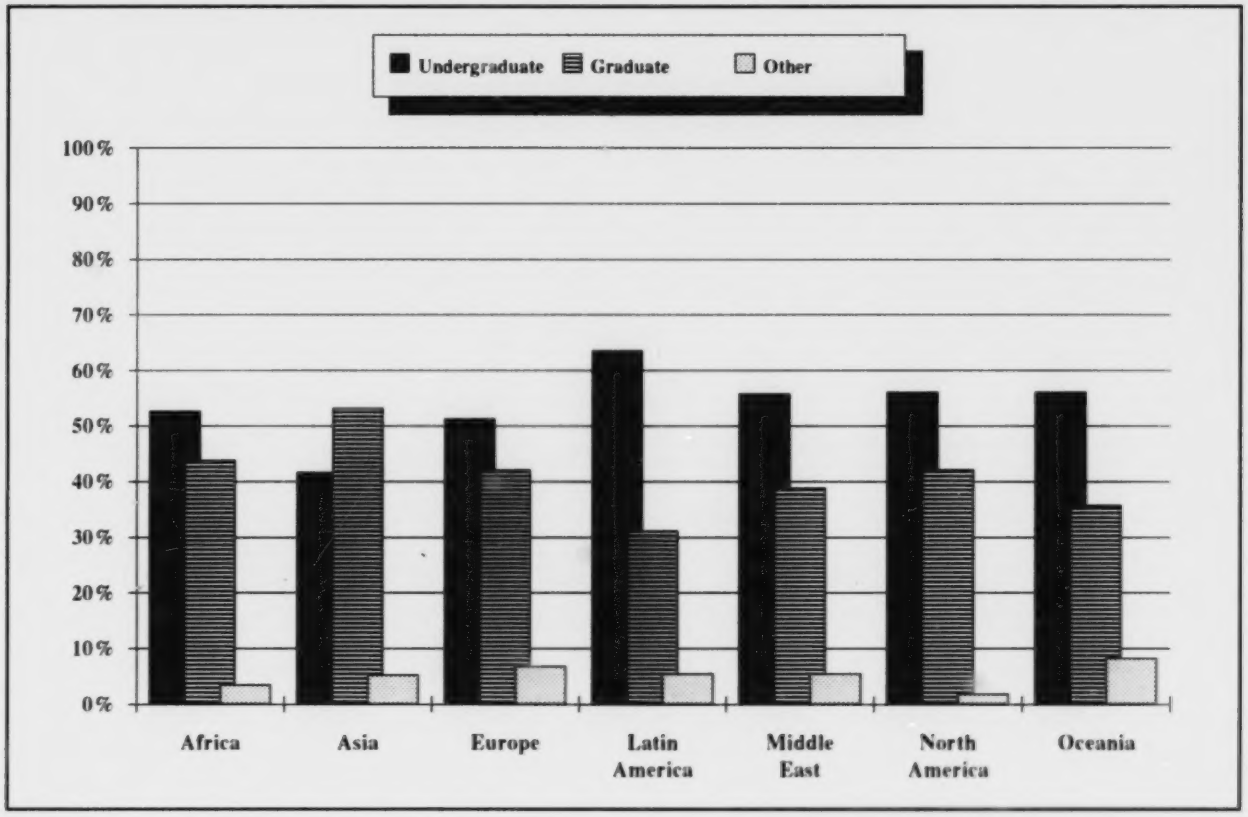
WORLD REGION	ACADEMIC LEVEL (Percentages)				Students Reported
	Associate	Bachelor's	Graduate	Other	
Africa	10.4	42.3	43.8	3.4	13,384
Asia	9.8	31.7	53.2	5.2	149,292
Europe	9.1	42.1	42.0	6.7	33,318
Latin America	18.2	45.3	31.1	5.4	27,945
Middle East	12.6	43.2	38.8	5.4	18,935
North America	9.3	46.7	42.1	1.8	11,679
Oceania	14.3	41.8	35.7	8.2	2,423
WORLD TOTAL	**10.9**	**36.7**	**47.1**	**5.2**	**257,102**

2.6.2 *Distribution of Foreign Students Within Academic Levels by World Region of Origin, 1991/92*

WORLD REGION	BACHELOR'S (Percentages)					Students Reported
	Freshman	Sophomore	Junior	Senior	Unspecified	
Africa	24.7	19.0	19.2	22.3	14.7	100.0
Asia	22.5	17.4	18.5	22.7	18.9	100.0
Europe	23.5	14.1	17.2	18.2	27.0	100.0
Latin America	23.7	16.8	19.2	22.7	17.6	100.0
Middle East	19.1	16.1	18.1	25.5	21.1	100.0
North America	23.5	18.1	19.4	20.4	18.5	100.0
Oceania	33.8	19.3	16.2	14.1	16.6	100.0
WORLD TOTAL	**22.8**	**16.9**	**18.4**	**22.0**	**19.8**	**100.0**

WORLD REGION	GRADUATE (Percentages)				Students Reported
	Master's	Doctoral	Professional Training	Unspecified	
Africa	44.4	40.4	2.4	12.8	5,868
Asia	44.9	38.3	1.1	15.7	79,407
Europe	44.8	37.7	2.6	15.0	141,010
Latin America	52.1	33.3	2.6	12.0	8,682
Middle East	40.2	42.9	3.0	13.8	7,338
North America	39.5	36.9	13.7	9.9	4,918
Oceania	40.1	43.6	3.4	12.9	865
WORLD TOTAL	**44.9**	**38.2**	**2.1**	**14.8**	**121,133**

2.A *Academic Level of Foreign Students by World Region of Origin, 1991/92*



and social science (18%) degrees. On the other hand, fields very popular among other Asians, such as engineering, math and computer science, and physical and life sciences were eschewed by the Japanese, attracting a mere 8%, 3%, and 6% respectively.

GENDER OF ASIAN STUDENTS

Almost two-thirds (64%) of Asian students studying in the United States in 1991/92 were male, as can be seen in **Table 2.11 and Figure 2.C**. However, this proportion is not uniform for all major senders from this world region. The shares of Indian and South Korean students that were men (78% and 73%, respectively) were much higher than the regional average; however, only 54% of the students from Taiwan and less than half of the Japanese students (48%) were male.

EUROPEAN STUDENTS

In 1991/92, about one-eighth (13%) of the foreign student population in the United States consisted of Europeans, almost all coming from Western Europe (**Table 2.1**). Europeans constituted the second largest regional group of the international students in the United States. The proportion of Europeans was almost twice as high in 1949/50 (21%) but declined steadily during the fifties, falling to 13% by the end of the decade (**Table 2.2**). A relatively small increase in the numbers of incoming Europeans and a virtual explosion in student flows from other world regions during the seventies brought the European share down to 8% of all foreign students by 1979/80. Since then it has climbed steadily, reaching 13% by 1991/92.

FIELDS OF STUDY OF EUROPEAN STUDENTS

Business and management was, by far, the most popular field among European students in 1991/92, enrolling 22% of them (**Table 2.3 and Figure 2.A**). Other fields of study preferred by Europeans differed significantly from those chosen by other regional groups, however. A much higher proportion of Europeans (12%) than of foreign students overall (9%) enrolled in the social sciences, the second most popular field among Europeans, and in the humanities (8% compared to 4% worldwide). Engineer-

ing, the third most frequently chosen field by Europeans, drew a mere 10%, a proportion far lower than the 18% among all international students. Europeans, further, showed lower-than-average interest in mathematics and computer science, with only 6% choosing that field.

History: Historical comparisons presented in **Table 2.4** indicate that European enrollments in business and management have increased steadily since 1960, doubling to 14% by 1980 and climbing to an all-time high of 22% in 1991/92. Demand for the humanities and engineering has declined over the last two decades, but European proportions in the social sciences and the physical and life sciences have remained fairly constant since the seventies. Demand for math and computer science, while still low, were twice as high in 1991/92 as it was in 1970.

Leading Countries: European field-of-study choices varied from country to country in 1991/92, with Greece being the most atypical. As indicated in **Table 2.3**, Greek students were heavily concentrated in engineering (23%), physical and life sciences (13%), and mathematics and computer science (11%), but had relatively low percentages in fine arts, the humanities, and business and management (6%, 4%, and 16%, respectively).
British students chose business and management (19%), the social sciences (16%), and the "Other" category (13%) most often, their proportion in the latter two fields being over the European average. They ignored engineering, however, having the lowest proportion in this field of all Europeans (6%).

Germans were widely distributed among the various fields of study, with the largest groups in business and management (20%) and the social sciences (13%). Healthy proportions also chose the humanities (11%), and the physical and life sciences (12%); however only a low 8% enrolled in engineering. French students were noted for their overwhelming attraction to business and management (32%) and their relatively low enrollments in math and computer science (3%), the physical and life sciences (7%), and the social sciences (9%). Spanish students enrolled in business and management (28%), engineering (11%), the social sciences (11%), and the humanities (10%) most often.

History: Students from all leading European countries have been choosing business and management programs in increasingly larger numbers since 1949/50, while proportionately fewer have been selecting engineering (**Table 2.5**). British students' enrollment in engineering is almost half what it was in 1950, while concen-

2.7 Academic Level of Foreign Students by World Region of Origin, Selected Years, 1954/55 - 1991/92

WORLD REGION/ YEAR	ACADEMIC LEVEL			Students Reported
	Undergraduate	Graduate	Other	
AFRICA				
1954/55	48.5	46.6	4.9	1.204
1959/60	48.1	42.9	9.0	1.892
1969/70	48.2	46.5	5.3	7.357
1979/80	61.2	35.4	3.4	18.461
1989/90	57.0	39.6	3.4	15.484
1991/92	52.7	43.8	3.4	13.384
ASIA				
1954/55	46.5	47.8	5.7	9.957
1959/60	37.1	53.5	9.4	17.421
1969/70	36.5	59.0	4.5	49.602
1979/80	41.9	53.3	4.8	40.730
1989/90	40.7	53.4	5.9	130.813
1991/92	41.6	53.2	5.2	149.292
EUROPE				
1954/55	46.0	43.2	10.8	5.070
1959/60	45.3	46.1	8.6	6.141
1969/70	41.0	48.7	10.3	17.681
1979/80	48.1	43.5	8.4	12.264
1989/90	52.4	40.7	7.0	27.985
1991/92	51.2	42.0	6.7	33.318
LATIN AMERICA				
1954/55	71.9	20.4	7.7	8.232
1959/60	73.5	19.6	6.9	9.098
1969/70	62.5	27.3	10.2	24.342
1979/80	63.8	26.1	10.1	23.163
1989/90	70.0	25.2	4.8	30.619
1991/92	63.5	31.5	5.4	27.945
MIDDLE EAST				
1954/55	63.9	32.2	3.9	3.990
1959/60	67.3	27.8	4.9	6.283
1969/70	60.1	35.0	4.9	12.731
1979/80	71.1	23.0	5.9	39.647
1989/90	61.5	33.2	5.2	23.167
1991/92	55.8	38.8	5.4	18.935
NORTH AMERICA				
1954/55	64.2	30.9	4.9	4.614
1959/60	64.0	32.4	3.6	5.678
1969/70	56.7	40.4	2.9	12.918
1979/80	67.9	29.9	2.2	8.466
1989/90	61.2	37.3	1.5	11.330
1991/92	56.1	42.1	1.8	11.679
OCEANIA				
1954/55	36.7	58.8	4.5	330
1959/60	39.2	56.8	4.0	556
1969/70	46.9	46.8	6.3	2.026
1979/80	63.5	33.6	2.9	2.426
1989/90	56.7	36.2	7.0	2.285
1991/92	56.1	35.7	8.2	2.423
WORLD TOTAL				
1954/55	57.2	36.2	6.6	33.439
1959/60	53.0	39.6	7.4	47.159
1969/70	48.5	45.3	6.2	130.500
1979/80	58.1	35.9	6.0	146.406
1989/90	49.9	44.6	5.4	241.683
1991/92	47.6	47.1	5.2	257.102

trations in business and management have tripled since that time. France has seen a shift away from the humanities, the social sciences, and engineering in the past three decades and toward business and management, enrollments in the latter field being considerably higher than the European average.

The proportion of Greek students studying engineering, as high as 20% in 1950, climbed even higher in the next three decades, reaching 33% by 1980, but since then fell by 10 percentage points. Enrollments of Greek students in the field of math and computer science have more than doubled in the past decade. West German students' fields of study over time were similar to those of all Europeans, except for their higher-than-average enrollments in the humanities and the social sciences.

ACADEMIC LEVELS OF EUROPEAN STUDENTS

A relatively high percentage of European students (42%) studied at the graduate level in 1991/92 (**Table 2.6 and Figure 2.A**). Just over half (51%) were undergraduate students, and another relatively large group (7%) enrolled in non-degree and intensive English language programs or were involved in technical training.

History: The proportion of Europeans who studied at the graduate level has been high since the nineteen fifties, as shown in **Table 2.7**. From 43% in the mid-fifties, it climbed to a peak of 49% in 1969/70, but returned to just below its former level (42%) by 1991/92. Only in the eighties has the number of European undergraduates grown to more than half (52%). This is explained partly by a decline in the numbers of graduate students and partly by a decline in the numbers enrolled in "other" levels.

Leading Countries: Country analyses, presented in **Table 2.6**, show that Greece sent a higher percentage of graduate students (55%) than other European countries. Germany (49%) and France (49%) sent proportionately more graduate students than Europe overall, while the United Kingdom (36%) and Spain (33%) sent fewer.

History: The academic levels of students from the leading European countries have not been consistent over time. For some countries, quite significant changes have occurred (**Table 2.8**). For instance the percentage of British students studying at the graduate level in 1991 was dramatically smaller than it was in 1960, shrinking by almost 50%. Within the last ten years alone, the British graduate share fell 8 percentage points. The opposite is true of Greek students. Fewer than 30% of them were enrolled in graduate programs prior to 1960, but, ten years later, the proportion had climbed to 40%, and since 1980, it has jumped to 55%.

German graduate proportions, nearly 50% during the sixties and seventies, returned to the upper-40th percentile, after a sharp drop in the late seventies. The percentage of French graduate students rose from 47% in the mid-fifties to 64% by 1970, dropped to its lowest level ever at 45% in 1989, but is up to 49% now. Spanish graduate enrollments, which were on the rise until the late fifties, fell from over one-half in 1979/80 to one-third by the end of the eighties, and remains at that low level.

UNDERGRADUATE EUROPEAN STUDENTS

Close to six out of every ten European undergraduate students (59%) were male (**Table 2.9 and Figure 2.B**). More than a quarter (28%) studied business and management. "Other" fields such as liberal arts, law, and communications, combined, drew 15%, and the social sciences enrolled 11% (**Table 2.10**). Also relatively popular were engineering, and the fine arts (9% each), while a relatively large percentage did not have a declared major (10%).

The fields of study chosen by undergraduates from different European countries varied substantially, although business and management was the number one choice of all groups except the Swiss. Undergraduates from the United Kingdom selected social sciences more often than others, and engineering less often. In contrast, Greek undergraduates studied engineering twice as often as other Europeans, (18% compared to the regional average of 9%). Also, a much higher-than-average share of Greeks chose mathematics and computer science (9%, compared to the European average of 5%), while a lower share enrolled in business and management (22%, compared to the overall European 28%).

French undergraduates flocked to business and management; over one-third (35%) of them were in this field. Compared to Europeans overall, students from Germany were over-represented in the physical and life sciences (7%, compared to the regional average of 5%), and in the humanities (7%, compared to the regional 4%). They were represented in business and management (26%, compared to 28% for the region). Spanish undergraduates chose the fields of business and management (38%) and engineering (15%) more often than all European undergraduates.

GRADUATE EUROPEAN STUDENTS

The proportion of women was considerably smaller among graduate than undergraduate European students, 35% compared to 41% (**Table 2.9 and Figure 2.B**). European graduate students were widely distributed

2.8 *Academic Level of Foreign Students by Leading Country Within World Region of Origin, Selected Years, 1954/55 - 1991/92*

WORLD REGION/ COUNTRY/YEAR	ACADEMIC LEVEL			Students Reported
	Under-graduate	Graduate	Other	
AFRICA				
Nigeria				
1954/55	49.2	46.6	4.2	264
1959/60	62.7	33.5	3.8	236
1969/70	53.7	42.1	4.2	1.811
1979/80	70.9	26.7	2.4	7.868
1989/90	59.6	38.1	2.4	2.701
1991/92	52.8	43.1	4.1	1.679
Kenya				
1954/55	63.2	21.0	15.8	19
1959/60	78.2	15.2	6.6	151
1969/70	54.4	42.9	2.7	478
1979/80	73.2	25.4	1.4	1.015
1989/90	72.2	26.2	1.6	1.336
1991/92	66.2	31.8	2.0	1.469
South Africa				
1954/55	48.1	48.1	3.9	154
1959/60	47.5	49.7	2.8	179
1969/70	30.7	44.3	8.0	528
1979/80	45.1	49.6	5.3	645
1989/90	58.8	38.9	2.3	1.281
1991/92	52.6	45.6	1.8	1.290
Egypt				
1954/55	25.6	70.9	3.5	340
1959/60	22.7	74.2	3.1	484
1969/70	13.4	80.8	5.8	975
1979/80	21.3	75.1	3.6	891
1989/90	33.2	61.3	5.5	1.155
1991/92	28.0	67.0	4.9	1.034
Ethiopia				
1954/55	55.0	33.3	11.7	60
1959/60	44.6	39.7	15.7	166
1969/70	51.8	41.6	6.6	529
1979/80	56.9	40.4	2.7	666
1989/90	74.7	21.7	3.5	1.269
1991/92	71.0	26.5	2.6	975
ASIA				
China				
1954/55	—	—	—	—
1959/60	—	—	—	—
1969/70	—	—	—	—
1979/80	19.7	65.3	14.9	329
1989/90	14.7	82.3	3.0	21.789
1991/92	13.7	83.2	3.1	26.476
Japan				
1954/55	50.1	39.9	10.0	1.572
1959/60	39.2	52.0	8.8	2.168
1969/70	43.2	30.8	26.0	4.156
1979/80	54.7	32.1	13.2	6.369
1989/90	63.4	19.8	16.8	18.776
1991/92	70.0	18.2	11.7	24.834
Taiwan				
1954/55	50.4	46.8	2.8	2.505
1959/60	45.8	51.1	3.1	4.454
1969/70	19.4	77.3	3.3	11.718
1979/80	14.7	82.6	2.7	8.814
1989/90	22.7	72.4	4.9	18.309
1991/92	26.6	68.3	5.1	20.769
India				
1954/55	28.8	68.2	3.0	1.624
1959/60	22.9	68.6	8.5	3.674
1969/70	18.7	78.0	3.3	11.045
1979/80	20.7	76.5	2.8	4.873
1989/90	22.3	74.9	2.9	17.433
1991/92	18.8	79.0	2.2	20.364
Korea, Rep. of				
1954/55	69.0	26.0	5.0	1.186
1959/60	46.2	45.5	8.3	2.431
1969/70	28.7	66.7	4.6	3.911
1979/80	26.3	69.4	4.3	2.557
1989/90	25.9	68.4	5.6	13.353
1991/92	31.7	60.8	7.5	15.832
EUROPE				
Germany				
1954/55	37.6	45.9	16.5	728
1959/60	36.8	48.8	14.4	687
1969/70	38.1	48.9	13.0	2.514
1979/80	44.9	41.7	13.4	1.698
1989/90	46.0	45.5	8.5	4.348
1991/92	42.5	48.8	8.7	4.831
United Kingdom				
1954/55	28.1	61.4	10.5	697
1959/60	26.7	68.3	5.0	902
1969/70	39.1	53.7	7.2	3.999
1979/80	50.2	44.4	5.4	2.433
1989/90	59.2	35.8	5.0	4.288
1991/92	59.9	36.3	4.8	4.659
France				
1954/55	42.0	46.5	11.5	460
1959/60	37.3	55.8	6.9	563
1969/70	26.7	63.9	9.4	1.886
1979/80	35.1	56.4	8.5	1.267
1989/90	46.8	44.6	8.5	3.089
1991/92	42.0	49.0	9.0	3.226
Spain				
1954/55	47.5	46.5	6.0	200
1959/60	37.8	54.7	7.5	265
1969/70	36.3	54.1	9.5	482
1979/80	39.5	51.0	9.5	433
1989/90	54.6	34.4	11.0	2.214
1991/92	60.2	32.8	7.0	3.123

continued on next page

2.8 *Academic Level of Foreign Students by Leading Country Within World Region of Origin, Selected Years, 1954/55 - 1991/92 (continued)*

WORLD REGION/ COUNTRY/YEAR	ACADEMIC LEVEL			Students Reported
	Undergraduate	Graduate	Other	
Greece				
1954/55	70.3	26.2	3.5	860
1959/60	67.1	28.5	4.4	1.058
1969/70	53.3	39.5	7.2	1.740
1979/80	57.6	38.8	3.6	1.483
1989/90	43.7	52.7	3.6	2.672
1991/92	43.0	54.8	2.3	2.647
LATIN AMERICA				
Mexico				
1954/55	55.3	39.0	5.7	1.238
1959/60	80.3	15.6	4.1	1.331
1969/70	59.4	31.7	8.9	2.404
1979/80	44.9	33.0	2.1	3.597
1989/90	58.1	34.6	7.3	3.769
1991/92	57.7	34.2	8.1	4.451
Brazil				
1954/55	52.8	38.8	8.4	489
1959/60	38.6	42.4	19.0	458
1969/70	28.6	57.2	14.2	1.307
1979/80	31.1	62.1	6.8	1.569
1989/90	45.2	46.0	8.8	2.307
1991/92	44.6	49.4	6.0	2.718
Venezuela				
1954/55	85.4	8.6	6.0	846
1959/60	80.5	12.8	6.7	1.098
1969/70	55.5	29.4	15.1	1.680
1979/80	67.3	18.8	13.9	5.116
1989/90	60.5	31.7	7.8	1.770
1991/92	54.8	34.5	10.7	2.084
Colombia				
1954/55	76.5	13.6	9.9	1.247
1959/60	65.0	25.3	9.7	671
1969/70	47.1	35.9	17.0	1.999
1979/80	67.3	24.6	8.1	1.521
1989/90	60.3	31.2	8.5	2.102
1991/92	51.4	38.8	9.7	1.888
Peru				
1954/55	73.4	18.0	8.5	271
1959/60	76.9	18.2	4.8	373
1969/70	—	—	—	1.149
1979/80	67.9	25.3	6.8	972
1989/90	67.3	27.5	5.1	1.739
1991/92	61.7	33.3	5.0	1.620
MIDDLE EAST				
Iran				
1954/55	65.2	30.4	4.4	973
1959/60	79.5	16.2	4.3	2.420
1969/70	69.7	24.7	5.6	4.949
1979/80	74.1	20.8	5.1	24.069
1989/90	59.6	36.9	3.5	4.631
1991/92	51.4	44.8	3.8	2.842
Turkey				
1954/55	46.7	44.7	8.6	396
1959/60	45.5	38.6	15.9	835
1969/70	26.5	52.9	20.6	1.309
1979/80	40.3	54.6	5.1	1.201
1989/90	34.2	57.9	7.9	2.212
1991/92	35.4	57.5	7.1	2.917
Jordan				
1954/55	85.6	11.9	2.5	597
1959/60	74.0	22.4	1.6	546
1969/70	66.9	29.9	3.2	874
1979/80	74.6	19.2	6.2	2.142
1989/90	68.6	25.9	5.5	3.011
1991/92	65.1	32.5	2.4	2.291
Saudi Arabia				
1954/55	72.5	20.0	7.5	40
1959/60	65.6	30.0	4.4	90
1969/70	72.5	22.9	4.6	1.011
1979/80	66.4	23.6	10.0	4.534
1989/90	55.2	37.5	7.3	2.667
1991/92	48.4	42.3	9.3	2.351
Israel				
1954/55	53.2	42.1	4.7	782
1959/60	52.3	42.9	4.8	786
1969/70	50.3	44.4	5.3	2.157
1979/80	39.7	55.2	5.1	1.339
1989/90	52.1	43.9	4.0	1.716
1991/92	51.1	45.1	3.8	1.757
NORTH AMERICA				
Canada				
1954/55	63.9	31.2	4.9	4.555
1959/60	63.6	32.7	3.7	5.606
1969/70	56.5	40.6	2.9	12.828
1979/80	67.3	30.5	2.2	8.207
1989/90	59.6	38.8	1.5	10.815
1991/92	55.1	43.1	1.9	11.322
OCEANIA				
Australia				
1954/55	30.9	63.9	5.2	233
1959/60	28.8	66.7	4.5	357
1969/70	28.4	66.1	5.5	1.042
1979/80	29.5	64.4	6.1	911
1989/90	41.5	54.6	3.9	1.115
1991/92	44.9	50.6	4.5	1.180
Pacific Is. Trust Terr.				
1954/55	92.9	7.1	—	14
1959/60	92.1	2.6	5.3	38
1969/70	84.1	5.3	10.6	322
1979/80	96.0	3.3	0.6	1.139
1989/90	95.6	3.3	1.1	273
1991/92	74.0	1.2	24.7	485

2.9 *Gender of Foreign Students Within Academic Levels by World Region of Origin, 1991/92*

WORLD REGION	UNDERGRADUATE			GRADUATE			OTHER		
	Male	Female	Students Reported	Male	Female	Students Reported	Male	Female	Students Reported
Africa	63.5	36.5	6,666	76.8	23.2	5,583	68.9	31.1	434
Asia	56.5	43.5	54,847	70.1	29.9	72,918	53.1	46.9	6,311
Europe	58.8	41.2	15,555	65.0	35.0	12,798	51.0	49.0	1,857
Latin America	54.9	45.1	16,430	66.4	33.6	8,233	51.3	48.7	1,320
Middle East	79.9	20.1	9,578	79.1	20.9	6,848	75.0	25.0	883
North America	58.8	41.2	5,996	60.5	39.5	4,567	43.2	56.8	183
Oceania	57.1	42.9	1,162	69.4	30.6	810	62.6	37.4	187
WORLD TOTAL	**59.2**	**40.8**	**110,306**	**69.8**	**30.2**	**111,802**	**54.9**	**45.1**	**11,179**

among the various fields of study. Business and management held the largest group (18%), the physical and life sciences enrolled 15%, engineering and the social sciences had 13% each, and the humanities 12%. Graduate European students studied subjects significantly different from those of undergraduates (**Table 2.10**). Thus, only 18% of graduate but as many as 28% of undergraduate Europeans were in business courses. In the same vein, while 12% of graduate students selected the humanitie, 4% of undergraduate students were majoring in this field. Further, as many as 15% of graduate students concentrated in the physical and life sciences, compared to only 5% of undergraduates.

Examination of country-by-country field-of-study distributions of European graduate students, presented in **Table 2.10**, reveals some interesting differences. The British showed greater affinity for social sciences (18%), fine arts (8%), and the physical and life sciences (14%) than other Europeans and below-average interest in engineering (8%), and math and computer science (4%). They chose business and management (17%) in a proportion close to the regional average. German graduate students studied business and management (17%), physical science (17%), the humanities (15%), and the social sciences (15%) most often.

Graduate students from Greece had different preferences: they selected engineering (28%), physical sciences (17%), and business and management, and math and computer science (12% each) most often. French students enrolled in business and management (32%) and engineering (18%) programs in higher-than-average proportions than the European average. Sizeable groups also studied the humanities (15%), and the physical sciences (10%). Spanish graduate students were characterized by a very high enrollment (23%) in the humanities, the highest of all leading countries worldwide, as well as low concentrations in engineering (6%) and the physical and life sciences (9%).

GENDER OF EUROPEAN STUDENTS

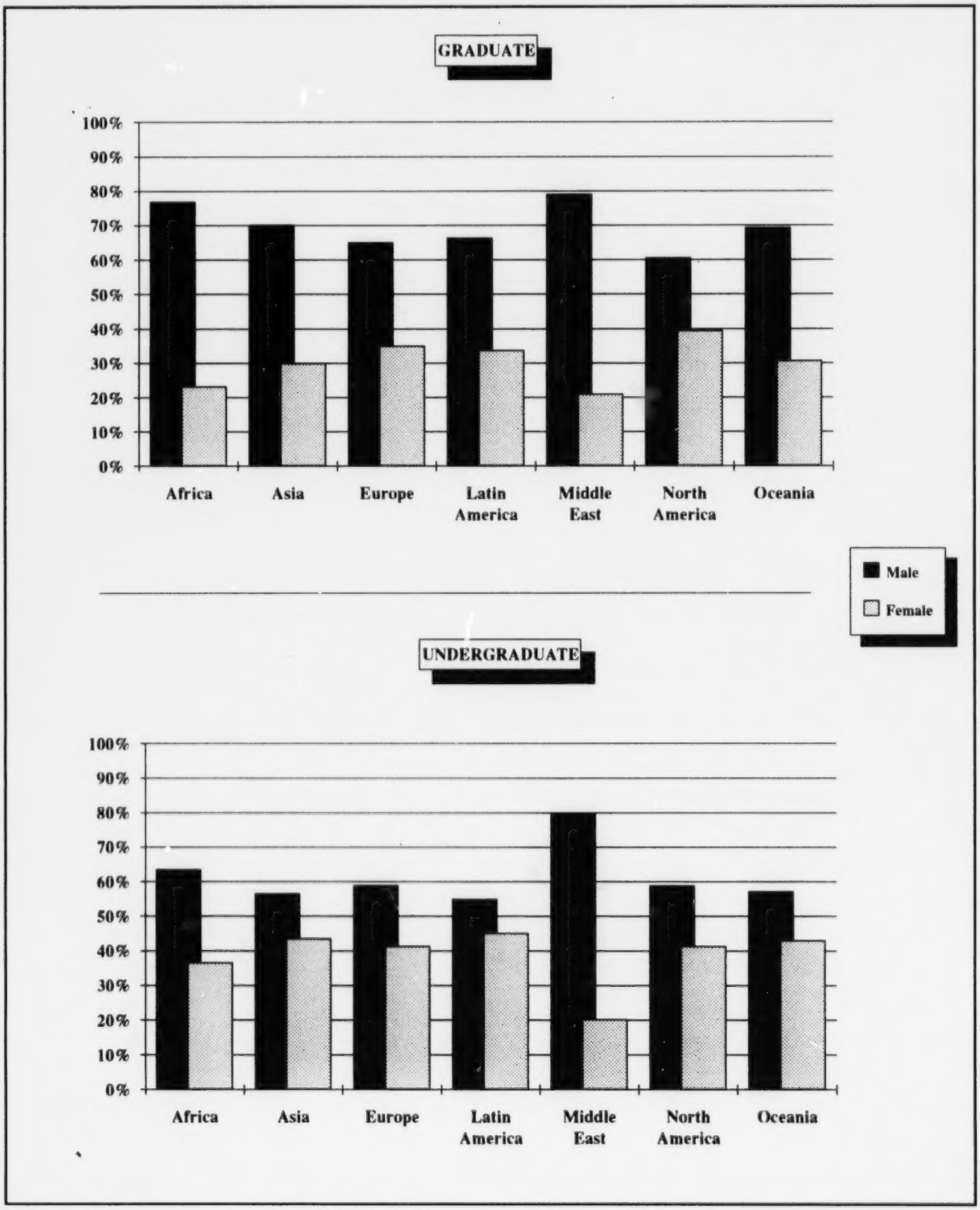
Europe was only the third largest sender of female foreign students to the United States in 1991/92 (**Table 2.11**). At 39%, the percentage of European students who were women was smaller than those of Latin America (42%), and North America (41%). The proportion of female students from France, however, was one of the highest (47%) among leading senders worldwide. The percentage of female students from Germany (42%) was above the regional average and well above the world average of 36%. Of the leading senders, the one that sent the smallest proportion of female students was Greece (27%).

LATIN AMERICAN STUDENTS

Latin Americans constituted approximately one-tenth (10%) of the entire international student population in the United States in 1991/92 (**Table 2.1**). They were the third largest group after Europeans, although their numbers were only one-fourth those of Asians. Students from South American and Central American countries formed the largest subgroups of Latin Americans, accounting for 45% and 30%, respectively, the remainder coming from the Caribbean.

History: That Latin America now ranks as the third largest sender of students to the United States is due in part to the slower growth in the number of students from that area between 1979 and 1990 (**Table 2.2**). Enroll-

2.B *Gender of Foreign Students Within Academic Levels by World Region of Origin, 1991/92*



ments of Mexican students experienced a two-fold increase between 1969 and 1979, but in the next decade this growth had slowed. Student flows from most other Latin American countries experienced moderate growth, only the flow from Peru seeing significant increases in the last ten years.

FIELDS OF STUDY OF LATIN AMERICAN STUDENTS

As is the case with most other regional groups, the most popular field of study among Latin Americans was business and management. At 21%, the proportion of Latin Americans in this field was slightly higher than the world average (**Table 2.3 and Figure 2.A**). Engineering was the second most popular field with 15%, while fields in the "Other" category drew a relatively high 12%. Except for the social sciences (9%), none of the other fields of study was selected by more than 7% of Latin Americans.

History: Data from previous years, seen in **Table 2.4**, show a higher demand in the past for engineering and a substantially lower demand for business and management and mathematics and computer science. Preference for the latter two fields increased considerably in the last decade, while the attractiveness of the health sciences and the humanities has waned since the seventies.

Leading Countries: A look at the field-of-study choices of students from the leading Latin American countries, presented in **Table 2.3 and Figure 2.A**, reveals that the choices of Mexicans, Brazilians, Colombians, and Peruvians were generally close to the norm for the whole region. Notable exceptions were the unusually high concentration of Brazilians in art fields (8% compared to 5% for the region) and their relatively low enrollments in business and management (18% compared to 21%). Also worth mentioning is that comparatively large subgroups of Mexicans (5%) and Brazilians (5%) studied agriculture, the largest proportions of all leading countries', except Kenya's.

Students from Peru were drawn to business and management (26%) and to the social sciences (13%) more often than other Latin Americans. The Jamaicans were the most idiosyncratic: a very large percentage of them followed business and management programs, 29%. Jamaicans also showed a great affinity for the health fields, enrolling there in proportions higher than the regional average (8% compared to the regional average of 5%). On the other hand, they showed comparatively little interest in engineering, only 10% of them selecting it.
Perhaps predictably, as **Table 2.5** shows, substantial increases occurred in the shares of students from leading Latin American countries in business and management. Demand for engineering, however, has dropped in the last 20 years. Interest in the fine arts is up with students from all leading Latin American countries, and the social sciences have gained students or remained stable.

ACADEMIC LEVELS OF LATIN AMERICAN STUDENTS

Latin America sent the highest proportion of undergraduate (64%) and the lowest proportion of graduate students (31%) of all world regions (**Table 2.6 and Figure 2.A**), returning to a pattern prevalent in the sixties and seventies : During the late 1980's the percentage of Latin American undergraduates rose to 70%, reducing the graduate porportion to just over 25%. In the 1960 and 70s however there were fewer undergraduates (around 63%), slightly more graduate students (around 27%), and more students in non-degree, intensive English language, and technical training programs (10%) (**Table 2.7**).

Leading Countries: Generally, as **Table 2.6** shows, more students from many of the leading Latin American sending nations were at the graduate level than Latin American foreign students overall. This is particularly true of Brazilians, Mexicans, and Colombians (49%, 34%, and 39% respectively, compared to 31% for the whole region). Jamaicans and students from other Caribbean countries tended to be overwhelmingly undergraduates.

History: The past three and one half decades have seen many changes in the undergraduate-to-graduate ratio of students from the leading Latin American countries. **Table 2.8** shows that while only 14% of Colombians were graduate students in the mid-fifties, by 1970, as many as 36% studied at that level. Ten years later, the proportion of graduate Colombians dropped to 25%, but since then it has risen to a record 39%. "Other" level also peaked in 1970 at 17% due to a large influx of students in intensive English language programs, but dropped to 10% in recent years.

Mexicans' academic-level distribution over time has been somewhat different. In the mid-fifties, graduate students accounted for nearly four-tenths (39%) of all Mexican foreign students (**Table 2.8**). Five years later, only 16% were studying at the graduate level; however, this proportion doubled during the next decade to 32%, remaining fairly stable during the seventies. Between 1979 and 1991, it grew to 34%.

The trend in academic levels of Brazilian students from the mid-fifties to the late seventies was: increasingly higher enrollments at the graduate level and correspondingly lower enrollments at the undergraduate level; however, this trend was reversed in the next decade, and, by

1989, equal proportions of undergraduates and graduates came from Brazil. Since then, the proportion of graduate students rose to 49%.

Colombian and Peruvian enrollments were also characterized by a gradual shift toward graduate education, while relative stability of the undergraduate-to-graduate ratio was characteristic of Jamaicans.

UNDERGRADUATE LATIN AMERICAN STUDENTS

Latin American students studying at the undergraduate level accounted for 10% of all foreign students in the United States in 1991/92. A surprisingly low percentage were male: at 55%, this is the lowest proportion of males from any world region (**Table 2.9 and Figure 2.B**). Business and management (26%), and engineering (16%) were the most popular fields of Latin American undergraduates, as can be seen in **Table 2.10**. Interestingly, the catchall "other" field enrolled a large 16%.

Undergraduate students from Jamaica were over-represented in business and management (27%) and in the health sciences (9%), but showed comparatively little interest in engineering (11%). Brazilians were in higher concentrations in the arts (10%) and the social sciences (10%), and in lower proportions in engineering (9%) than other Latin American undergraduates. Colombians eschewed these fields and preferred engineering (16%), and especially, the "Other" fields (25%). Peruvians enrolled in business and management in higher-than-the-regional average proportions (32%).

GRADUATE LATIN AMERICAN STUDENTS

Only 3% of the foreign student population in the United States in 1991/92 consisted of Latin American graduate students. One-third of these (34%) were female (**Table 2.9 and Figure 2.B**). Like other regional groups, Latin American graduate students were widely distributed among the various fields of study, as an examination of **Table 2.10** reveals. Business and management (15%), engineering (16%), the physical and life sciences (14%), and the social sciences (13%) each enrolled sizeable groups, and agriculture and the humanities held 8% each. Graduate students differed tremendously from undergraduate students in their choices of fields of study. For example, while 13% of graduates enrolled in social science programs, only 7% of undergraduates were in this field. Similarly, 14% of graduates but only 4% of undergraduates studied physical and life sciences. Moreover, much higher proportions of graduates than undergraduates were in agriculture and the humanities.

Graduate students from the leading Latin American countries chose somewhat different fields of study, as **Table 2.10** reveals. The choices of Mexicans, Brazilians, and Colombians generally followed the regional pattern. However, Mexicans were drawn to engineering (20%) more and to the social sciences (11%) less than others. Brazilians showed an above-average preference for engineering (18%) and the fine arts (7%) and a below-average interest in the social sciences (10%). The field-of-study choices of students from Peru and Jamaica were more atypical. Peruvians differed from other Latin Americans in their relatively very high concentrations in the social sciences (22%) and business and management (19%) fields. Jamaicans chose business and management (37%) and, health sciences (9%) in proportions well above the regional average, but enrolled in below-average proportions in engineering (7%), physical and life sciences (9%), and the social sciences (10%).

GENDER OF LATIN AMERICAN STUDENTS

Interestingly, the proportion of women among Latin American students 42%, is the highest of all world regional groups (**Table 2.11 and Figure 2.C**). The high representation of women was not completely consistent throughout the region, however, as only 35% of Mexican students were women, the lowest percentage among leading Latin American nations. Jamaica sent more female students than male. At 54%, its proportion of females was one of the highest for the region (second only to the Bahamas) and of all international student groups.

MIDDLE EASTERN STUDENTS

Students from the Middle East constituted 7% of all foreign students in the United States in 1991/92 (**Table 2.1**). Their share of the foreign student population is the smallest it has been since the fifties (**Table 2.2**). The number of students from the Middle East coming to this country increased tremendously after the oil boom of the early seventies, with a five-fold increase in ten years. By the end of the seventies, they constituted nearly 29% of the U.S. foreign student body. Since then, a sharp drop in enrollments of Iranians, as well as of other Middle Easterners, combined with an increased flow of students from other areas (especially from East Asia), have resulted in a drastic shrinkage in the share of Middle Easterners to 7%.

FIELDS OF STUDY OF MIDDLE EASTERN STUDENTS

The field-of-study choices of Middle Easterners were characterized by a high preference for engineering and a comparatively low interest in business and management when compared to choices of other regional groups. Just under a third (30%) of students from the Middle East, a

2.10 *Field of Study of Foreign Students by Academic Level and by World Region and Leading Country of Origin, 1991/92*

WORLD REGION/ COUNTRY	UNDERGRADUATE													
	FIELD OF STUDY (Percentages)													
	AGRI	BUS/ MGMT	EDUC	ENGR	FINE ARTS	HLTH SCI	HUM	MATH/ COMP	PHYS SCI	SOC SCI	OTHR	INT ENGL	NOT DECL	Students Reported
AFRICA	**2.6**	**24.7**	**2.0**	**14.6**	**3.0**	**8.0**	**2.6**	**8.5**	**7.5**	**9.1**	**10.1**	**0.1**	**7.1**	**6,759**
Eastern Africa	**2.3**	**27.8**	**1.9**	**12.7**	**2.5**	**6.3**	**2.7**	**8.9**	**7.4**	**9.1**	**10.1**	**—**	**8.3**	**2,666**
Kenya	3.9	33.2	1.6	8.7	2.3	4.0	3.2	8.4	6.0	11.1	9.3	—	8.4	946
Ethiopia	0.5	20.8	2.1	18.7	1.2	8.4	1.5	10.3	8.7	5.5	12.6	0.2	9.6	658
Central Africa	**4.0**	**23.8**	**1.3**	**18.0**	**2.0**	**11.7**	**2.0**	**5.4**	**10.3**	**6.7**	**8.5**	**—**	**6.1**	**445**
Cameroon	3.7	22.9	1.5	17.7	1.1	16.6	1.8	5.5	10.3	6.3	6.6	—	5.9	271
North Africa	**1.2**	**22.9**	**0.7**	**28.7**	**4.5**	**3.6**	**2.2**	**13.1**	**3.9**	**5.2**	**7.9**	**0.3**	**5.7**	**881**
Egypt	—	19.6	1.4	31.2	7.2	4.7	2.5	10.5	2.5	2.9	9.4	1.1	6.9	276
Morocco	2.5	26.9	—	30.3	3.4	2.8	1.1	13.6	4.5	4.2	7.6	—	2.8	353
Southern Africa	**4.5**	**20.8**	**4.6**	**9.3**	**4.2**	**5.6**	**3.4**	**5.7**	**8.6**	**13.5**	**11.1**	**0.2**	**8.5**	**943**
South Africa	1.3	23.6	3.4	7.8	4.4	5.8	4.4	5.9	8.0	13.4	12.8	0.2	9.1	640
West Africa	**2.4**	**23.2**	**1.8**	**12.7**	**2.6**	**13.0**	**2.4**	**7.8**	**8.1**	**9.4**	**11.1**	**0.1**	**5.7**	**1,814**
Nigeria	1.1	21.4	2.1	12.5	3.3	16.3	2.5	6.7	6.7	9.6	11.6	0.1	6.1	851
Ghana	1.1	22.3	2.1	13.8	1.8	12.8	3.2	6.4	13.8	8.2	10.3	—	4.3	282
ASIA	**0.4**	**28.8**	**1.2**	**15.0**	**7.7**	**3.0**	**2.3**	**10.3**	**4.1**	**7.4**	**12.8**	**0.7**	**6.4**	**58,184**
East Asia	**0.3**	**28.0**	**1.6**	**8.0**	**10.1**	**2.9**	**3.2**	**8.7**	**3.8**	**9.0**	**16.2**	**1.0**	**7.3**	**34,364**
China	0.4	24.4	1.4	12.5	5.4	7.8	1.9	14.4	9.3	3.8	9.8	0.4	8.5	3,383
Japan	0.4	26.3	1.9	2.9	10.6	1.3	4.6	4.4	2.3	13.6	22.1	1.2	8.4	16,376
Taiwan	0.4	32.7	1.9	10.4	10.4	3.8	2.1	13.6	3.6	4.2	11.0	0.5	5.4	4,995
Korea, Rep. of	0.2	21.5	1.0	9.6	15.4	2.8	3.3	10.6	5.1	6.3	14.1	2.4	7.7	4,623
Hong Kong	0.2	37.4	0.7	17.5	6.0	4.1	0.7	12.3	3.6	5.0	8.3	0.1	4.2	4,875
South & Central Asia	**0.3**	**22.5**	**0.5**	**27.1**	**2.4**	**2.6**	**1.0**	**17.3**	**6.5**	**5.9**	**7.4**	**0.2**	**6.2**	**8,926**
India	0.3	19.7	0.7	24.0	2.8	4.2	1.3	17.6	7.0	6.1	9.2	0.1	7.0	3,637
Pakistan	—	25.9	0.3	32.7	2.2	1.2	0.5	16.2	4.1	4.8	6.2	0.5	5.4	3,093
Bangladesh	0.1	20.8	0.1	31.0	2.2	1.4	1.5	19.1	7.4	5.9	4.8	—	5.8	952
Sri Lanka	0.6	22.5	1.0	20.7	2.0	3.4	1.2	16.7	11.5	8.2	6.1	—	6.0	816
Southeast Asia	**0.5**	**34.3**	**0.6**	**24.1**	**5.5**	**3.3**	**1.0**	**9.8**	**3.3**	**4.6**	**8.2**	**0.3**	**4.4**	**14,897**
Malaysia	0.6	31.3	0.6	30.8	5.0	2.3	1.0	11.3	3.8	4.2	6.1	—	3.0	6,238
Indonesia	0.7	44.1	0.1	21.6	5.5	0.8	0.3	7.7	2.1	3.1	8.2	0.6	5.1	3,557
Thailand	0.3	33.9	0.9	17.5	9.5	1.7	1.0	9.2	2.0	4.6	11.2	1.0	7.0	1,476
Singapore	0.4	35.8	0.7	20.5	5.7	1.5	1.8	9.4	2.9	6.4	9.8	—	5.3	2,100
Philippines	0.6	23.3	0.7	9.3	4.8	20.1	1.6	10.7	5.4	7.8	10.7	0.6	4.2	1,093
EUROPE	**0.6**	**27.5**	**1.9**	**8.9**	**8.8**	**2.5**	**4.2**	**4.8**	**4.8**	**10.6**	**15.3**	**0.2**	**10.0**	**15,806**
Eastern Europe	**1.4**	**20.1**	**1.5**	**6.7**	**6.5**	**4.5**	**5.4**	**7.5**	**6.9**	**8.6**	**15.7**	**0.3**	**15.0**	**1,774**
U.S.S.R.	0.2	17.9	1.4	3.7	5.8	1.9	8.6	7.7	6.5	8.8	20.5	0.5	16.5	430
Yugoslavia	—	20.5	0.9	13.6	9.2	3.5	1.2	11.3	9.2	6.6	11.6	0.3	12.1	346
Poland	3.6	16.3	0.6	6.5	9.5	10.1	5.3	8.3	5.0	5.0	18.0	0.9	10.9	338
Western Europe	**0.5**	**28.4**	**2.0**	**9.1**	**9.1**	**2.3**	**4.1**	**4.4**	**4.5**	**10.8**	**15.2**	**0.2**	**9.3**	**14,032**
Germany	0.9	25.5	1.8	6.2	10.2	1.9	6.9	3.8	7.4	11.1	13.5	0.1	10.8	1,884
United Kingdom	0.3	21.5	3.6	5.5	8.6	3.5	4.9	3.7	4.5	14.8	16.7	0.1	12.4	2,564

continued on next page

2.10 *Field of Study of Foreign Students by Academic Level and by World Region and Leading Country of Origin, 1991/92 (continued)*

WORLD REGION/ COUNTRY	UNDERGRADUATE													
	FIELD OF STUDY (Percentages)													
	AGRI	BUS/ MGMT	EDUC	ENGR	FINE ARTS	HLTH SCI	HUM	MATH/ COMP	PHYS SCI	SOC SCI	OTHR	INT ENGL	NOT DECL	Students Reported
France	0.8	35.0	1.0	5.5	7.7	1.7	5.6	2.8	3.8	10.1	16.0	0.5	9.3	1,265
Spain	0.5	37.9	0.8	14.6	4.9	1.2	1.7	4.6	3.5	9.7	15.2	0.2	5.1	1,663
Greece	0.6	22.3	1.7	18.2	8.6	1.7	2.8	9.4	8.5	10.7	9.2	0.1	6.3	1,038
Italy	0.3	23.3	0.3	13.5	12.9	1.2	5.3	3.1	5.8	11.2	15.3	0.2	7.6	606
Norway	0.3	36.6	1.0	17.4	7.7	2.3	0.9	7.8	1.6	6.7	12.1	—	5.7	1,044
Sweden	0.5	31.0	2.7	5.4	9.9	2.2	3.5	2.6	1.9	9.4	19.1	0.2	11.8	1,011
Netherlands	0.1	31.2	2.2	5.4	6.3	3.0	3.0	4.1	3.1	9.4	19.9	—	12.3	734
Switzerland	0.2	17.6	2.0	5.9	23.3	0.7	4.7	3.6	4.5	9.5	17.6	0.5	9.9	443
Ireland	1.3	32.5	5.0	5.6	5.6	7.2	2.8	3.4	4.1	9.4	15.0	—	8.1	320
LATIN AMERICA	**1.9**	**25.8**	**2.4**	**15.7**	**6.2**	**4.3**	**2.2**	**5.7**	**4.3**	**7.3**	**16.0**	**0.3**	**7.8**	**16,694**
Caribbean	**1.4**	**27.9**	**2.8**	**13.0**	**5.0**	**7.7**	**1.9**	**4.9**	**6.4**	**7.1**	**16.1**	**0.1**	**5.6**	**5,303**
Jamaica	1.9	27.2	1.2	10.9	4.6	8.9	1.6	4.0	5.9	6.6	21.7	0.1	5.3	1,237
Trinidad & Tobago	0.4	24.7	2.2	13.1	3.2	11.4	0.9	6.4	8.1	8.0	14.9	0.2	6.5	960
Bahamas	0.6	26.2	4.7	11.7	5.6	7.5	2.1	4.2	8.3	7.8	15.3	—	6.1	1,069
Dominican Rep.	1.7	24.9	2.5	27.8	5.4	3.2	2.2	4.9	1.2	4.4	15.5	—	6.2	406
Central America	**2.7**	**24.2**	**2.9**	**19.4**	**5.5**	**1.9**	**2.3**	**6.4**	**3.4**	**6.9**	**12.4**	**0.5**	**11.6**	**5,187**
Mexico	1.1	24.1	2.4	13.5	5.8	1.7	3.3	7.2	3.2	5.9	11.5	0.7	19.6	2,292
Panama	0.8	28.5	2.1	26.6	4.9	2.1	1.5	5.5	2.5	7.0	13.9	0.1	4.5	843
Honduras	7.4	26.5	5.7	21.1	6.8	1.8	0.6	7.2	2.8	5.9	10.7	—	3.7	544
Costa Rica	4.9	21.3	4.0	16.5	9.1	1.2	0.9	2.7	3.4	13.4	15.2	0.6	6.7	328
South America	**1.6**	**25.3**	**1.6**	**14.8**	**7.7**	**3.5**	**2.5**	**5.8**	**3.4**	**7.8**	**19.1**	**0.4**	**6.6**	**6,204**
Brazil	1.5	23.8	2.6	9.0	10.3	4.4	3.2	6.6	2.4	9.5	18.0	0.4	8.2	1,148
Venezuela	0.9	23.5	1.3	17.5	6.8	2.8	2.2	6.1	3.4	5.3	23.4	0.6	6.1	1,068
Colombia	1.9	21.8	1.5	16.0	7.7	4.1	2.3	4.2	2.7	6.0	25.2	0.7	5.9	912
Peru	0.9	32.4	1.4	16.7	5.2	3.4	2.2	5.6	4.0	8.3	13.8	—	6.1	941
Argentina	1.1	24.2	1.8	10.7	12.1	1.8	3.0	3.9	4.6	8.7	19.2	0.4	8.5	562
Equador	3.9	30.8	0.4	15.5	6.4	2.7	0.8	4.4	2.7	8.3	19.0	0.2	5.0	517
MIDDLE EAST	**0.4**	**21.2**	**0.9**	**31.1**	**3.9**	**4.8**	**1.0**	**11.6**	**5.5**	**4.9**	**9.8**	**0.3**	**4.7**	**9,861**
Iran	0.4	9.4	0.7	22.8	3.3	16.0	0.8	9.8	17.8	4.1	10.1	0.4	4.5	1,346
Turkey	0.2	39.9	1.9	17.6	3.7	0.3	1.4	6.0	2.3	9.2	10.8	0.2	6.5	968
Jordan	0.3	20.3	0.9	39.4	2.0	3.0	0.9	12.1	3.9	4.3	8.6	0.6	3.7	1,422
Saudi Arabia	0.2	17.4	1.1	30.8	2.4	2.7	0.7	23.3	3.6	4.8	8.6	0.2	4.3	1,091
Israel	0.4	16.6	0.6	18.0	11.7	5.0	1.8	7.4	5.5	8.0	16.2	0.8	7.9	783
Lebanon	0.2	20.1	0.5	37.6	4.3	4.8	1.0	9.7	4.5	2.9	10.7	0.1	3.5	978
Kuwait	0.9	17.5	0.1	44.5	1.9	3.0	0.5	14.4	1.9	2.2	9.1	0.3	3.7	789
Cyprus	0.6	34.6	2.8	18.0	8.1	2.7	1.3	7.8	3.6	7.5	8.4	—	4.4	676
Unit. Arab Emirates	0.1	26.1	0.7	42.1	0.9	1.8	—	10.0	1.9	3.4	9.3	—	3.7	681
Syria	—	17.0	—	35.6	3.7	4.0	0.9	16.4	5.0	2.8	10.2	1.2	3.1	323
NORTH AMERICA	**1.4**	**17.4**	**11.8**	**7.8**	**7.5**	**9.3**	**3.4**	**1.9**	**5.0**	**9.8**	**14.7**	**0.3**	**9.6**	**6,182**
Canada	1.5	17.1	11.9	7.8	7.2	9.5	3.3	1.8	5.1	9.7	15.1	0.3	9.8	5,872
OCEANIA	**1.1**	**24.9**	**5.2**	**4.5**	**7.2**	**3.7**	**2.8**	**6.8**	**2.7**	**14.2**	**19.9**	**0.3**	**6.6**	**1,285**
Australia	1.0	19.5	6.8	3.7	12.2	4.4	3.5	1.9	2.9	12.7	21.0	0.2	10.2	482
Pacific Islands Trust Territory	0.3	28.2	1.7	8.0	1.1	2.0	1.1	14.1	1.1	11.5	27.6	—	3.2	348
WORLD TOTAL	***0.8***	***26.6***	***2.1***	***15.1***	***7.0***	***3.9***	***2.5***	***8.4***	***4.6***	***7.9***	***13.4***	***0.5***	***7.2***	***114,843***

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2.10 *Field of Study of Foreign Students by Academic Level and by World Region and Leading Country of Origin, 1991/92 (continued)*

GRADUATE														
	FIELD OF STUDY (Percentages)													
WORLD REGION/ COUNTRY	AGRI	BUS/ MGMT	EDUC	ENGR	FINE ARTS	HLTH SCI	HUM	MATH/ COMP	PHYS SCI	SOC SCI	OTHR	INT ENGL	NOT DECL	Students Reported
AFRICA	**10.5**	**10.1**	**6.5**	**16.7**	**3.3**	**6.0**	**10.6**	**5.6**	**10.1**	**15.5**	**4.4**	**0.2**	**0.5**	**5,560**
Eastern Africa	**15.3**	**10.9**	**6.8**	**9.5**	**2.2**	**7.6**	**11.9**	**4.3**	**10.0**	**15.1**	**5.2**	**0.3**	**1.0**	**1,473**
Kenya	15.8	13.3	9.2	5.9	1.4	6.8	14.4	2.9	7.9	13.5	8.1	—	0.9	444
Ethiopia	11.2	11.6	3.9	10.3	6.4	6.9	6.9	6.4	21.0	11.6	2.6	0.4	0.9	233
Central Africa	**20.4**	**12.6**	**7.2**	**10.8**	**3.3**	**5.4**	**11.7**	**3.3**	**8.7**	**12.3**	**4.2**	**0.3**	**—**	**334**
Cameroon	16.9	10.7	6.7	17.4	3.9	6.2	7.3	3.9	11.2	9.6	5.6	0.6	—	178
North Africa	**7.9**	**8.1**	**2.3**	**36.4**	**4.4**	**4.8**	**4.3**	**8.3**	**10.6**	**10.4**	**2.2**	**0.1**	**0.3**	**1,488**
Egypt	4.9	6.1	1.8	42.4	6.7	7.8	3.1	7.8	9.8	7.9	1.2	—	0.5	655
Morocco	20.0	13.8	3.6	12.4	1.8	2.2	7.6	9.3	11.6	13.3	3.6	0.4	0.4	225
Southern Africa	**5.0**	**8.0**	**12.1**	**8.4**	**3.9**	**8.4**	**12.3**	**5.9**	**10.7**	**19.6**	**5.1**	**0.1**	**0.4**	**700**
South Africa	1.8	7.4	12.4	9.7	4.3	8.5	13.3	6.8	11.5	19.1	4.3	0.2	0.5	555
West Africa	**9.0**	**11.6**	**7.4**	**9.6**	**3.0**	**4.9**	**14.2**	**4.5**	**9.7**	**19.7**	**5.6**	**0.2**	**0.5**	**1,565**
Nigeria	3.9	12.3	8.4	11.4	3.1	6.4	15.0	4.0	7.7	19.1	7.9	0.1	0.6	700
Ghana	6.0	8.2	3.8	11.0	5.4	4.1	17.0	3.8	15.5	21.1	3.8	—	0.3	317
ASIA	**2.7**	**14.4**	**3.7**	**26.1**	**3.7**	**3.5**	**4.2**	**11.6**	**17.1**	**8.3**	**3.8**	**0.2**	**0.7**	**75,338**
East Asia	**2.5**	**12.5**	**4.5**	**21.9**	**4.3**	**3.5**	**5.1**	**10.6**	**20.8**	**9.0**	**4.4**	**0.3**	**0.7**	**49,353**
China	3.0	5.7	3.4	22.6	2.2	3.6	2.8	12.0	33.2	7.7	3.0	0.1	0.8	20,836
Japan	1.3	28.7	6.3	7.7	6.8	2.6	10.5	2.7	5.5	18.2	8.2	0.7	0.9	4,333
Taiwan	2.3	17.0	6.0	26.5	4.9	4.0	2.7	12.5	12.2	5.7	5.1	0.3	0.8	13305.0
Korea, Rep. of	2.7	11.9	4.0	20.7	6.5	2.4	11.4	7.9	14.5	12.7	4.5	0.4	0.4	9,088
Hong Kong	0.5	23.1	3.3	19.2	6.0	5.4	5.1	12.4	11.4	8.9	4.1	0.1	0.5	1,738
South & Central Asia	**2.5**	**12.3**	**1.3**	**41.8**	**2.0**	**3.3**	**1.8**	**15.7**	**11.0**	**5.6**	**2.0**	**—**	**0.6**	**18,595**
India	1.6	12.3	1.1	43.2	2.0	3.2	1.9	16.9	10.4	4.7	2.0	—	0.6	15,441
Pakistan	7.8	15.5	1.6	37.9	1.9	4.3	0.9	9.2	10.5	8.0	2.1	—	0.4	1,647
Bangladesh	3.0	10.3	1.6	44.7	2.8	4.1	1.7	7.7	10.4	11.1	1.9	—	0.6	633
Sri Lanka	7.5	7.0	1.6	22.7	2.8	2.7	2.2	14.1	27.1	8.6	3.3	—	0.5	639
Southeast Asia	**4.3**	**32.6**	**4.7**	**15.3**	**3.7**	**4.0**	**4.4**	**7.7**	**7.3**	**10.4**	**4.5**	**0.4**	**0.7**	**7,390**
Malaysia	3.6	25.4	6.0	21.0	5.2	2.8	4.1	8.2	6.9	10.9	4.5	0.8	0.6	1,430
Indonesia	8.0	35.2	2.7	18.0	3.0	1.7	3.6	6.1	6.7	10.5	3.6	0.2	0.5	1,839
Thailand	2.7	43.8	5.2	11.4	3.3	4.6	1.2	6.6	3.9	10.4	5.4	0.6	1.0	2,307
Singapore	1.0	30.4	4.9	18.7	4.5	3.1	6.8	11.0	5.5	9.6	4.2	—	0.4	2,991
Philippines	4.9	16.6	5.3	8.8	3.7	8.7	8.8	9.2	17.8	10.4	4.8	0.2	0.5	973
EUROPE	**2.4**	**18.2**	**2.7**	**13.1**	**5.4**	**3.8**	**12.1**	**8.0**	**14.8**	**13.2**	**5.2**	**0.1**	**1.0**	**13,406**
Eastern Europe	**1.8**	**7.1**	**2.6**	**14.5**	**6.3**	**1.3**	**9.9**	**15.8**	**23.1**	**10.8**	**3.4**	**—**	**3.3**	**1,952**
U.S.S.R.	1.2	11.4	5.1	8.9	5.3	1.0	9.6	10.0	25.6	17.7	3.5	—	0.8	1,085
Yugoslavia	1.8	3.7	1.0	24.4	7.6	2.3	5.7	13.9	19.1	5.9	2.9	—	11.7	488
Poland	1.8	5.0	0.9	14.5	8.0	1.5	16.6	16.0	23.4	9.5	2.4	—	0.3	337
Western Europe	**2.4**	**20.1**	**2.7**	**12.8**	**5.3**	**4.3**	**12.4**	**6.7**	**13.4**	**13.7**	**5.5**	**0.1**	**0.6**	**11,454**
Germany	1.4	17.2	1.8	10.2	5.6	2.5	15.1	7.9	17.2	15.1	5.3	—	0.6	2,263
United Kingdom	1.3	16.9	4.6	7.1	7.7	4.3	13.4	4.4	14.0	18.3	7.5	0.1	0.4	1,630

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2.10 Field of Study of Foreign Students by Academic Level and by World Region and Leading Country of Origin, 1991/92 (continued)

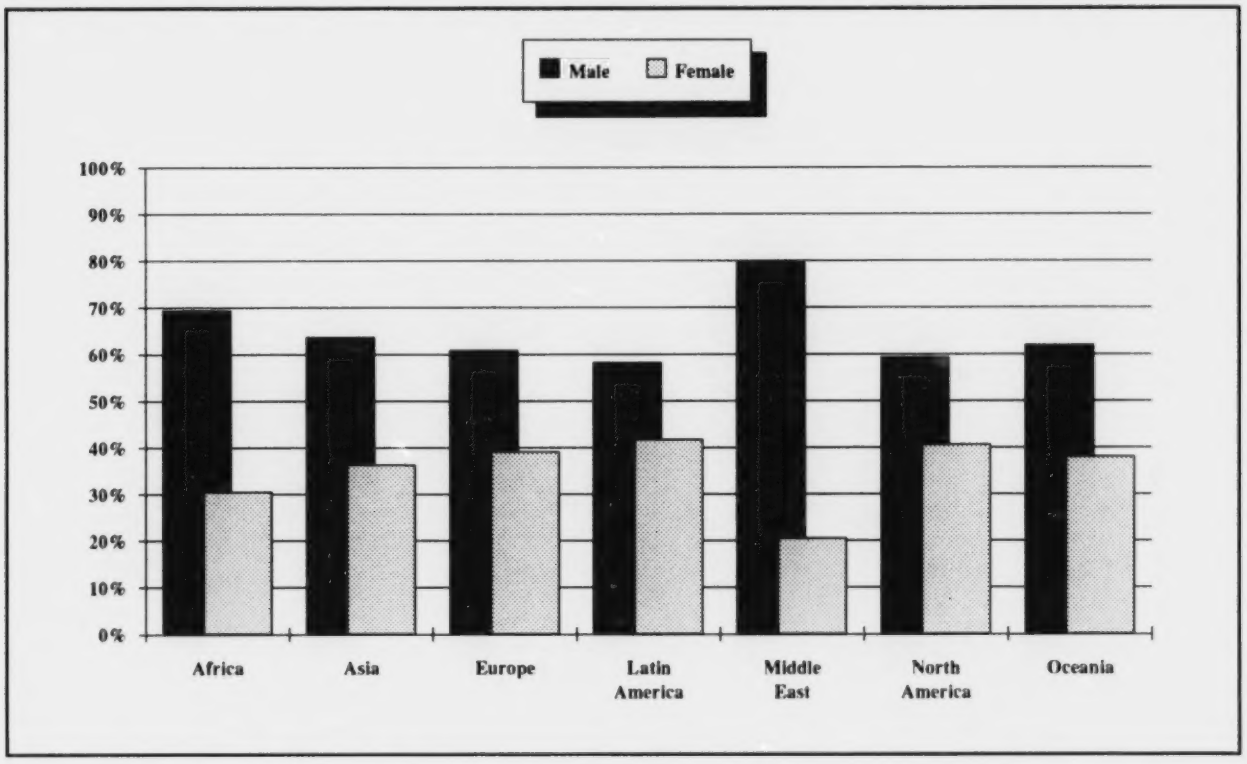
GRADUATE														
WORLD REGION/ COUNTRY	FIELD OF STUDY (Percentages)													Students Reported
	AGRI	BUS/ MGMT	EDUC	ENGR	FINE ARTS	HLTH SCI	HUM	MATH/ COMP	PHYS SCI	SOC SCI	OTHR	INT ENGL	NOT DECL	
France	1.7	32.1	1.4	17.6	3.2	3.7	14.8	3.2	9.7	7.7	4.3	—	0.5	1,523
Spain	7.0	18.7	2.9	5.7	5.3	3.7	22.6	4.3	8.7	14.1	6.2	0.4	0.4	984
Greece	1.7	12.2	2.8	27.9	5.0	4.8	4.2	12.4	16.9	8.4	3.3	—	0.3	1,378
Italy	2.4	14.6	1.2	8.6	3.6	7.0	16.1	11.2	11.8	17.1	6.1	—	0.3	671
Norway	0.9	43.3	2.0	14.3	3.4	6.6	2.9	6.6	4.3	9.7	4.3	0.6	1.1	349
Sweden	1.6	27.5	1.6	14.7	3.6	1.6	6.4	6.0	12.7	14.3	8.4	—	1.6	251
Netherlands	6.1	22.8	2.7	9.5	4.1	3.9	7.0	3.9	19.0	17.4	3.4	—	0.2	558
Switzerland	0.7	21.6	3.0	10.1	7.1	7.1	9.7	7.1	11.2	12.3	9.0	—	1.1	268
Ireland	1.3	16.6	5.5	10.1	3.9	5.8	18.8	5.8	14.6	11.4	6.2	—	—	308
LATIN AMERICA	**8.2**	**15.0**	**4.7**	**16.2**	**4.8**	**5.2**	**8.2**	**5.8**	**13.7**	**13.4**	**4.3**	**0.1**	**0.7**	**8,367**
Caribbean	**5.6**	**23.5**	**6.8**	**9.4**	**3.8**	**11.1**	**6.8**	**4.3**	**8.1**	**13.5**	**6.5**	**0.1**	**0.4**	**1,199**
Jamaica	4.8	36.6	4.8	7.4	2.4	8.9	5.7	4.5	8.6	9.8	5.7	0.3	0.6	336
Trinidad & Tobago	2.7	15.4	6.9	13.9	4.6	10.8	3.5	5.4	7.3	20.8	8.5	—	—	259
Bahamas	0.8	17.2	12.5	4.7	3.1	19.5	14.8	3.9	6.3	13.3	3.1	—	0.8	128
Dominican Rep.	12.2	19.9	5.0	17.1	5.5	3.3	6.1	3.9	11.0	8.3	7.7	—	—	181
Central America	**11.0**	**11.9**	**4.9**	**17.2**	**3.3**	**3.7**	**8.3**	**6.6**	**15.2**	**13.5**	**3.7**	**0.2**	**0.6**	**2,442**
Mexico	10.4	12.1	3.9	19.9	3.2	3.6	8.4	8.0	15.5	11.3	3.0	0.1	0.6	1,490
Panama	6.8	19.1	3.1	23.5	1.9	4.9	3.1	4.3	11.7	12.3	9.3	—	—	162
Honduras	19.3	13.6	12.1	12.1	2.1	4.3	5.7	3.6	7.1	17.1	2.1	0.7	—	140
Costa Rica	15.8	9.1	6.7	10.9	4.9	1.8	8.1	3.9	17.2	15.4	5.3	0.4	0.7	285
South America	**7.4**	**14.5**	**4.0**	**17.4**	**5.3**	**4.4**	**8.6**	**5.8**	**14.4**	**13.2**	**4.1**	**0.1**	**0.8**	**4,726**
Brazil	9.3	14.5	3.3	18.2	6.7	6.0	7.4	6.2	14.0	9.9	3.8	0.3	0.5	1,277
Venezuela	3.8	19.1	3.8	25.8	6.7	2.6	4.8	5.9	13.0	8.7	5.4	—	0.4	690
Colombia	6.1	14.8	5.2	18.7	3.5	7.9	10.0	5.6	14.6	9.3	3.5	—	0.7	710
Peru	7.0	18.7	4.2	13.6	2.3	2.3	7.9	4.5	13.0	21.9	4.2	—	0.4	529
Argentina	7.8	11.7	3.4	11.7	7.0	2.7	11.8	4.8	16.9	16.5	5.0	0.2	0.6	626
Equador	8.9	12.8	2.5	19.2	5.4	2.0	8.4	4.9	13.8	14.3	3.0	—	4.9	203
MIDDLE EAST	**2.7**	**14.0**	**4.3**	**30.3**	**3.5**	**7.0**	**2.5**	**9.4**	**9.8**	**12.6**	**3.4**	**0.1**	**0.4**	**7,007**
Iran	3.0	4.9	3.5	36.2	1.7	16.1	1.3	9.6	13.5	7.3	2.2	0.2	0.5	1,217
Turkey	2.6	21.3	2.7	33.3	3.0	2.0	2.0	7.0	9.7	14.1	1.9	0.1	0.4	1,607
Jordan	2.9	11.5	3.9	32.9	2.0	6.8	3.2	15.0	9.6	8.1	3.5	0.1	0.6	2,287
Saudi Arabia	3.6	14.0	8.9	20.1	4.2	6.3	1.9	8.8	6.3	19.6	6.1	0.2	—	951
Israel	0.9	14.1	3.8	15.5	8.3	4.8	5.4	10.6	8.7	21.1	5.6	—	1.1	744
Lebanon	2.3	14.4	3.7	39.3	3.5	6.2	3.0	9.9	8.8	5.6	2.9	—	0.3	304
Kuwait	1.2	13.3	3.0	30.3	3.0	9.1	0.6	10.3	6.7	15.8	6.7	—	—	165
Cyprus	1.3	26.0	3.3	28.3	2.6	4.9	2.6	9.5	9.2	11.2	0.7	—	0.3	304
Unit. Arab Emirates	—	15.1	8.2	27.4	—	6.8	—	8.2	11.0	12.3	11.0	—	—	73
Syria	2.4	11.4	1.4	41.0	4.3	12.4	4.8	10.5	5.7	5.2	0.5	—	0.5	210
NORTH AMERICA	**1.6**	**10.3**	**12.4**	**5.8**	**9.1**	**19.9**	**10.5**	**2.3**	**9.4**	**13.4**	**4.8**	**—**	**0.5**	**4,776**
Canada	1.6	10.1	12.3	5.9	9.2	19.9	10.6	2.2	9.5	13.4	4.7	—	0.5	4,735
OCEANIA	**3.9**	**13.3**	**6.8**	**7.0**	**8.0**	**7.3**	**14.9**	**6.2**	**9.1**	**16.0**	**6.9**	**—**	**0.8**	**827**
Australia	3.2	13.3	7.1	7.8	9.1	8.0	14.1	5.9	8.4	15.1	7.3	—	0.7	562
Pacific Island Trust Territory	—	—	60.0	—	—	—	—	—	20.0	20.0	—	—	—	5
WORLD TOTAL	***3.4***	***14.5***	***4.2***	***22.7***	***4.2***	***4.7***	***6.0***	***9.9***	***15.4***	***10.1***	***4.1***	***0.2***	***0.7***	***115,326***

—No students were reported in this category.

2.11 Gender of Foreign Students by World Region and Leading Country of Origin, 1991/92

WORLD REGION/ COUNTRY	GENDER		Students Reported
	Male	Female	
AFRICA	**69.5**	**30.5**	**12,935**
Eastern Africa	**64.1**	**35.9**	**4,365**
Kenya	63.9	36.1	1,436
Ethiopia	57.1	42.9	938
Central Africa	**67.2**	**32.8**	**842**
Cameroon	60.3	39.7	463
North Africa	**80.4**	**19.6**	**2,498**
Egypt	78.9	21.1	978
Morocco	80.0	20.0	599
Southern Africa	**63.8**	**36.2**	**1,671**
South Africa	64.6	35.4	1,217
West Africa	**71.5**	**28.5**	**3,547**
Nigeria	70.9	29.1	1,627
Ghana	76.3	23.7	616
ASIA	**63.7**	**36.3**	**136,430**
East Asia	**58.9**	**41.1**	**85,972**
China	64.7	35.3	24,487
Japan	48.2	51.8	21,869
Taiwan	54.0	46.0	18,572
Korea, Rep. of	73.1	26.9	14,036
Hong Kong	56.3	43.7	6,846
South & Central Asia	**80.1**	**19.9**	**27,778**
India	78.3	21.7	19,181
Pakistan	89.7	10.3	4,794
Bangladesh	84.2	15.8	1,606
Sri Lanka	68.7	31.3	1,487
Southeast Asia	**61.7**	**38.3**	**22,680**
Malaysia	66.2	33.8	7,596
Indonesia	65.9	34.1	5,429
Thailand	53.6	46.4	4,048
Singapore	62.5	37.5	2,847
Philippines	49.0	51.0	2,130
EUROPE	**60.8**	**39.2**	**31,097**
Eastern Europe	**59.9**	**40.1**	**4,133**
U.S.S.R.	61.4	38.6	1,050
Yugoslavia	60.2	39.8	901
Poland	56.1	43.9	736
Western Europe	**61.0**	**39.0**	**26,964**
Germany	58.2	41.8	4,411
United Kingdom	60.8	39.2	4,455
France	52.8	47.2	2,988
Spain	65.5	34.5	2,958
Greece	73.1	26.9	2,421
Italy	60.5	39.5	1,348
Norway	65.8	34.2	1,345
Sweden	55.9	44.1	1,318
Netherlands	61.3	38.7	1,382
Switzerland	58.2	41.8	737
Ireland	67.7	32.3	700
LATIN AMERICA	**58.3**	**41.7**	**26,373**
Caribbean	**49.8**	**50.2**	**6,675**
Jamaica	46.1	53.9	1,645
Trinidad & Tobago	51.2	48.8	1,290
Bahamas	44.2	55.8	1,210
Dominican Republic	60.7	39.3	595
Central America	**61.1**	**38.9**	**8,111**
Mexico	65.1	34.9	4,130
Panama	54.9	45.1	1,031
Honduras	54.0	46.0	726
Costa Rica	62.7	37.3	622
South America	**61.2**	**38.8**	**11,587**
Brazil	61.1	38.9	2,499
Venezuela	60.6	39.4	1,979
Colombia	61.7	38.3	1,789
Peru	61.3	38.7	1,551
Argentina	59.7	40.3	1,222
Equador	61.1	38.9	764
MIDDLE EAST	**79.5**	**20.5**	**17,764**
Iran	65.0	35.0	2,606
Turkey	73.4	26.6	2,754
Jordan	87.0	13.0	2,199
Saudi Arabia	89.5	10.5	2,239
Israel	70.5	29.5	1,603
Lebanon	80.2	19.8	1,666
Kuwait	90.3	9.7	1,047
Cyprus	71.0	29.0	978
United Arab Emirates	91.0	9.0	858
Syria	87.2	12.8	594
NORTH AMERICA	**59.4**	**40.6**	**11,070**
Canada	59.9	40.1	10,718
OCEANIA	**61.9**	**38.1**	**2,204**
Australia	61.8	38.2	1,127
Pacific Island Trust Territory	60.4	39.6	480
WORLD TOTAL	***64.0***	***36.0***	***238,000***

2.C *Gender of Foreign Students by World Region of Origin, 1991/92*



proportion much higher than those of other regional groups, were studying engineering in 1991/92 (**Table 2.3 and Figure 2.A**). On the other hand, although business and management was the number two choice of Middle Easterners, the proportion choosing this field (18%) was the lowest of all world regions except North America's. Mathematics and computer science was the only other field that drew 10% of students from the Middle East (12%), the remaining fields being chosen by fewer than 8%.

History: Data on the fields of study chosen by Middle Easterners in past decades reveal that engineering has always been their field of choice, as many as one-third of them choosing it in 1949 (**Table 2.4**). In the following two decades, this proportion increased significantly, peaking at 42% in 1979. During the eighties, however, engineering lost its appeal, and the proportion of Middle Eastern students selecting it fell 10 points to reach 32% in 1989 and an even lower 30% in 1991. A shift away from agriculture, the humanities, and the health sciences in favor of business and management and mathematics and computer science also occurred since the fifties, the proportion studying math and computer science doubling in the last twelve years.

Leading Countries: Not surprisingly, engineering was the most popular field of students from all major senders in the Middle East, although the proportions ranged from 20% (Israel) to 40% (Turkey) (**Table 2.5**). Similarly, business and management was the number two field for all but the Iranians, enrolling from 15% (Saudi Arabia) to 27% (Turkey). Preference for other fields was more country-specific. For instance, Iranians chose the health sciences (16%) and the physical and life sciences (15%) at least twice as often as all students from this region. Likewise, Saudi Arabians selected math and computer science (15%) and the social sciences (11%) in well-above-average proportions.

History: Over the past 40 years, the major trends in Middle Eastern enrollments in various fields of study have been a substantial and continuous increase in the percentages of students in business and management and in math and computer science fields; a rise in engineering enrollments until the late seventies, and a shrinking of these enrollments since then; and a corresponding moving away from the health sciences and the social sciences (**Table 2.5**). Engineering numbers peaked among Jordanian and Lebanese students in 1979/80, with over half of each group in this field. A large

number of Iranians (45%) also chose engineering in that year. However, since then, these proportions have shrunk considerably. In the last twelve years, the share of Iranian, Jordanian, and Saudi Arabian students in math and computer science more than doubled. A large increase in the proportions of Iranians enrolling in health sciences (from 3% to 16%) and physical and life sciences (from 7% to 15%) also occurred during this period.

ACADEMIC LEVELS OF MIDDLE EASTERN STUDENTS

The Middle East had one of the lowest proportion of graduates (39%) among its students except for Latin America (31%) and Oceania (36%) (**Table 2.6 and Figure 2.A**). Among two of the leading national groups, Kuwaitis (16%) and Jordanians (33%) had even lower proportions studying at the graduate level. The reverse was true for Turkish students, a good majority of whom (58%) were in graduate programs.

History: Overall, the distribution of Middle Easterners by academic level has fluctuated since the mid-fifties (**Table 2.7**). Nearly one-third of the students were in graduate programs in 1954/55; after some wavering in the sixties and seventies, the share of graduate students fell to 23% by 1980. Due to the drastic decline in the flows of undergraduates from Iran and other Middle Eastern countries in the eighties and to simultaneous increases in the graduate enrollments from Turkey, the proportion of Middle Eastern graduate students rose to 33%. The percentages of graduate students from Iran (45%) and Saudi Arabia (42%) were larger in 1991/92 than ever before (**Table 2.8**). The proportion of Jordanian graduate students, as high as 30% in 1969, fell considerably to 19% by 1979 but rose to a record 33% in 1991.

UNDERGRADUATE MIDDLE EASTERN STUDENTS

Middle Easterners studying at the undergraduate level constituted approximately 5% of the foreign student body in this country in 1991/92 (**Table 2.1**). A weighty 80% of them were male (**Table 2.9 and Figure 2.B**), the highest proportion of any region. Nearly one-third (31%) of all Middle Eastern undergraduates majored in engineering (**Table 2.10**); another 21% chose business and management, and an additional 12% were enrolled in mathematics and computer science programs. Enrollments in each of the other fields of study were comparatively small.

The fields selected by Iranian undergraduates differed markedly from those chosen by students from other leading Middle Eastern countries (**Table 2.10**). Well below-average percentages of Iranians studied engineering (23%), and an even more disproportionate 9% chose business and management. However, very high proportions of them (over three times the regional average) chose the physical and life sciences (18%) and the health sciences (16%). Turkish undergraduates were highly over-represented in business and management (40%) and the social sciences (9%) and substantially under-represented in engineering (18%) and math and computer science (6%). Jordanians were over-represented in engineering, with 39% enrolling in that field. Saudi students, while enrolled in average proportion in engineering (31%), had double the concentration in math and computer science (23%) than other Middle Eastern students. For all leading Middle Eastern countries, the proportion of students in the humanities was well below the world average of 4%.

GRADUATE MIDDLE EASTERN STUDENTS

Middle Eastern graduate students made up 3% of the foreign student population in the United States in 1991/92 (**Table 2.1**). Three-quarters of them were men (**Table 2.9 and Figure 2.B**), the proportion of women being higher among graduate than undergraduate students from this region. The distribution of all Middle Eastern graduate students among different fields of study was more diverse than that of undergraduates (**Table 2.10**). Not surprisingly, the largest group studied engineering, just under one-third (30%) being in this field. About 14% chose business and management, 13% the social sciences, 10% chose the physical and life sciences, and 9% math and computer science. Of the remaining fields, only health sciences attracted more than 5% of Middle Eastern graduate students.

Like their undergraduate counterparts, Iranian graduate students were under-represented in business and management (5%), but unlike the undergraduates they were over-represented in engineering (36%), as shown in **Table 2.10**. Iranians were also the only group of Middle Eastern graduate students to select health sciences in a proportion well above the regional average (16% compared to 7%). Saudi Arabians were remarkable in their strong attraction to both education (9%) and the social sciences (20%). Four of ten (39%) of Lebanese graduate students were enrolled in engineering programs, among the highest proportion worldwide. There were proportionately more Jordanians in math and computer science and more Turks in business and management than other Middle Easterners.

GENDER OF MIDDLE EASTERN STUDENTS

A mere 21% of the students from the Middle East were women in 1991/92, as shown in **Table 2.11 and Figure 2.C**, despite the fact that over one-third (35%) of Iranian students, the largest national subgroup from the Middle

East, were female. The very low proportions of women coming from the other leading Middle Eastern countries, such as Jordan and Saudi Arabia, explain the severe under-representation of females among students from this region.

NORTH AMERICAN STUDENTS

Only 5% of foreign students in the United States in 1991/92 were from North America, and all but a few came from Canada (**Table 2.1**). Students from this region held a higher share of the foreign student population prior to 1980. As high as 17% in 1949/50, the North American percentage fell steadily over the years, dropping to 10% by the end of the sixties, and reaching the present low level at the end of the seventies (**Table 2.2**).

FIELDS OF STUDY, ACADEMIC LEVELS, AND GENDER

The field-of-study distribution of North American students was much more heterogeneous than that of other regional groups. The most popular field of study among this group, business and management, attracted a modest 14% (**Table 2.3 and Figure 2.A**). Unlike most other groups, only 7% of North Americans studied engineering and very few (6%) chose mathematics and computer science. However, sizeable groups enrolled in fields not popular with students from most other regions: the health sciences (14%), education (12%) the social sciences (11%), and arts (8%).

The fields of study preferred by North American students have changed over the past four decades. The most notable changes were a steady decline in enrollments in the humanities and a parallel increase in enrollments in business and management. Twice as many North Americans chose business and management in 1991/92 than in 1949/50 (14% compared to 7%), but fewer than half as many chose the humanities, (6% compared to 16%) (**Table 2.4**).

More than four-tenths of North Americans (42%) were enrolled in graduate programs (**Table 2.6 and Figure 2.A**). However, a relatively high percentage of this group, 41%, were women, the second highest proportion of any regional group except Latin Americans (**Table 2.11**). The proportion of North Americans at the graduate level, about 31% in the fifties, rose to a high of 40% in the next fifteen years, but fell to around 30% in the seventies. In the eighties, it was on the rise again, reaching 37% by the end of the decade and climbing to 42% two years later (**Table 2.7**).

UNDERGRADUATE NORTH AMERICAN STUDENTS

In 1991/92, nearly six-tenths (59%) of North American undergraduate students were men (**Table 2.9 and Figure 2.B**), a proportion comparable to those of Asia, Europe, and Oceania. The fields of study preferred by undergraduate students were business and management, chosen by 17%; other fields such as liberal arts, selected by 15%; education, enrolling 12%, and the social sciences, preferred by 10% (**Table 2.10**).

GRADUATE NORTH AMERICAN STUDENTS

Six out of every ten North American graduate students (61%) were men in 1991/92, a proportion slightly higher than that of undergraduates (**Table 2.9**). The fields of study selected by all North American graduate students differed markedly from those chosen by undergraduates. As shown in **Table 2.10**, graduate students selected social sciences (13%), education (12%), the humanities (11%) most often, business and management (10%) and engineering (6%) less often than undergraduates.

OCEANIAN STUDENTS

FIELDS OF STUDY, ACADEMIC LEVELS, AND GENDER

Students from Oceania accounted for a mere 1% of the foreign student population in the United States in 1991/92, a proportion that has remained virtually unchanged since 1950, as can be seen in **Tables 2.1 and 2.2**.

Oceanians chose fields of study in patterns which were in some ways unique and in other ways similar to those of North Americans (**Table 2.3 and Figure 2.A**). As many as 14% majored in the social sciences and 7% majored in education, closely mirroring the regional averages of North America. Business and management was the most favored field, attracting close to one-fifth of Oceanians (19%), while engineering fared badly, with only 5% of these students. Also noteworthy is the selection of humanities by 8% of Oceanians, the highest proportion for any regional group. (**Table 2.3 and Figure 2.A**). Oceanian enrollments in intensive English language programs were high (4%) despite the fact that fewer than 1% of Australians, the largest group from this region, were in this field.

Demand for various fields of study changed substantially from 1960 to 1970, with the health sciences, humanities, and physical and life sciences losing enrollments, and business and management gaining students (**Table 2.4**). The changes in the eighties have been equally as dramatic for some fields. For instance, the proportion of

Oceanians in education fell by half in the eighties, from 15% to 8%. The health sciences and the social sciences also suffered losses in the same period. However, the popularity of the math and computer science field increased: in 1980, this field held 3% of the students, but by 1991/92 it had 6% of them.

In 1991/92, well over one-third (36%) of Oceanians were graduate students (**Table 2.6 and Figure 2.A**), and nearly four out of ten (38%) were women (**Table 2.11 and Figure 2.C**). In the fifties and sixties, over half of Oceanian students were studying at the graduate level; by the end of the seventies, however, the graduate student share had plummeted to little over a third (34%). Since then it has risen slightly to 36% (**Table 2.7**).

UNDERGRADUATE OCEANIAN STUDENTS

In 1991/92, 43% of undergraduate students from Oceania were female (**Table 2.9**). One-quarter of Oceanian undergraduates in the U.S. studied business and management (25%). The second largest group, (20%), were in "other" fields, such as the liberal arts. The only other field selected by a sizeable group was the social sciences (14%). Oceanian undergraduates, like their North American counterparts, showed comparatively little interest (5% compared to a worldwide average of 15%) in engineering (**Table 2.10**).

GRADUATE OCEANIAN STUDENTS

Over six-tenths (69%) of Oceanian graduate students in 1991/92 were male (**Table 2.9 and Figure 2.B**). As a whole, as **Table 2.10** indicates, Oceanian graduate students' enrollment in the various fields of study were rather atypical; 15% selected the humanities, a proportion that was more than twice the world average. Similarly, they enrolled in relatively large numbers in education (7%). Other popular fields of graduate Oceanian students were the social sciences (16%), and business and management (13%). However, they had among the lowest proportions in engineering (7% compared to 23% worldwide) and above the world average in the health sciences (7% compared to the overall average of 5%).

3: FOREIGN STUDENTS BY ACADEMIC LEVEL

INTRODUCTION

What do foreign undergraduate students study? Do students at the undergraduate level choose fields of study similar to those of graduate students? Where do most international graduate students come from?

This chapter presents separate profiles of undergraduate and graduate international students and provides answers to questions such as the above. It focuses on each group's academic characteristics, such as fields of study, and specific academic levels (year of study, two-year four year), as well as on their geographic origin and gender distributions.

GRADUATE STUDENTS

Close to half (47%) of the foreign students in the United States in 1991/92 were studying at the graduate level, as shown in **Table 2.6.1**. The most striking characteristic of this group is the predominance of students from Asia (**Table 3.1**). Two-thirds of all foreign graduate students (66%) were from this region, over four-tenths (43%) from East Asia alone (**Table 3.1 and Figure 3.A**). Europeans, the second largest group, made up 12%, while Latin Americans represented roughly 7%. The Middle Easterners, Africans and North Americans followed, with 6%, 5% and 4%, respectively.

The most popular field of study among graduate students was engineering, enrolling nearly one-quarter (23%) of them (**Table 3.2**). Other fields of study pursued by sizeable proportions of foreign graduate students were: the physical and life sciences and business and management (15% each); and math and computer science and the social sciences (10% each).

The vast majority of the graduate foreign students, as shown in **Table 3.3 and Figure 3.B**, were males (70%). Women fared somewhat better at the master's level, where they constituted 34% of the population. However, they made up only one-fourth (26%) of students at the Ph.D. level.

3.1 World Region and Subregion of Origin of Foreign Students Within Academic Levels, 1991/92

WORLD REGION/ SUBREGION	ACADEMIC LEVEL			All Levels
	Under-graduate	Graduate	Other	
AFRICA	**5.8**	**4.8**	**3.4**	**5.2**
Eastern Africa	2.3	1.3	0.9	1.7
Central Africa	0.4	0.3	0.3	0.3
North Africa	0.8	1.3	0.8	1.0
Southern Africa	0.8	0.6	0.2	0.7
West Africa	1.5	1.3	1.1	1.4
ASIA	**50.7**	**65.6**	**58.0**	**58.1**
East Asia	30.2	43.1	45.9	37.1
South & Central Asia	7.7	16.0	4.6	11.5
Southeast Asia	12.8	6.4	7.5	9.5
EUROPE	**13.9**	**11.6**	**16.7**	**13.0**
Eastern Europe	1.6	1.7	2.6	1.7
Western Europe	12.3	9.8	14.1	11.2
LATIN AMERICA	**14.5**	**7.2**	**11.2**	**10.9**
Caribbean	4.6	1.0	0.9	2.7
Central America	4.5	2.1	4.2	3.4
South America	5.3	4.1	6.1	4.8
MIDDLE EAST	**8.6**	**6.1**	**7.6**	**7.4**
NORTH AMERICA	**5.3**	**4.1**	**1.6**	**4.5**
OCEANIA	**1.1**	**0.8**	**1.2**	**0.9**
STATELESS	0.1	—	—	—
ALL REGIONS	***122,491***	***121,133***	***13,478***	***100.0***

UNDERGRADUATE STUDENTS

Approximately half (48%) of the international students in the United States were at the undergraduate level, a share only slightly higher than that of the graduate students. Of the undergraduates, 11% were enrolled in junior and community colleges and 37% were pursuing bachelor's degrees (**Table 2.6.1**). The geographic origins of undergraduate foreign students were much more diverse than those of graduate students (**Table 3.1 and Figure 3.A**). Although the largest group again came from

3.2 *Fields of Study of Foreign Students Within Academic Levels, 1991/92*

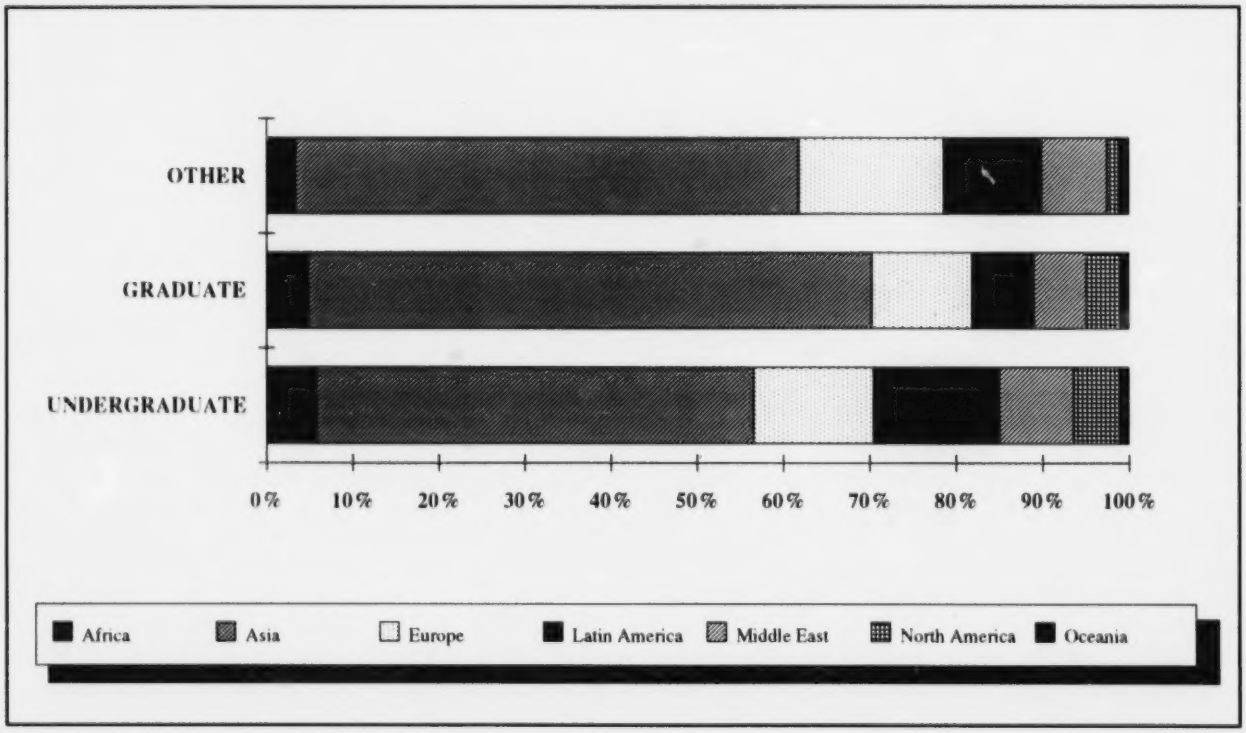
FIELD OF STUDY	ACADEMIC LEVEL			All Levels
	Undergraduate	Graduate	Other	
Agriculture	0.8	3.4	0.6	2.0
Business & Mgmt.	26.6	14.5	8.4	20.0
Education	2.1	4.2	2.1	3.1
Engineering	15.1	22.7	6.7	18.4
Fine & Applied Arts	7.0	4.2	2.4	5.4
Health Sciences	3.9	4.7	1.5	4.2
Humanities	2.5	6.0	5.4	4.3
Math & Computer Sci.	8.4	9.9	3.3	8.9
Physical & Life Sci.	4.6	15.4	3.4	9.7
Social Sciences	7.9	10.1	4.9	8.8
Other	13.4	4.1	4.1	8.5
Intensive English Lang.	0.5	0.2	47.1	2.4
Undeclared	7.2	0.7	10.2	4.2
ALL FIELDS	**115,294**	**115,577**	**10,595**	**241,466**

3.3 *Gender of Foreign Students Within Academic Levels, 1991/92*

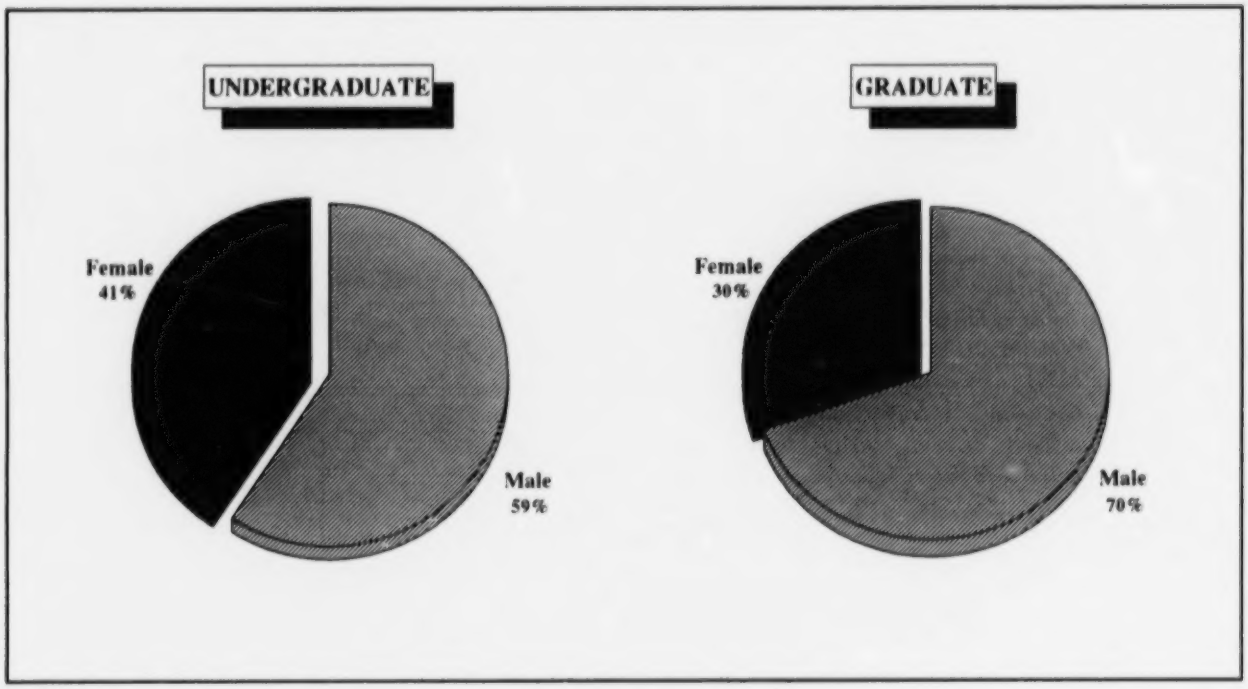
Academic Level	GENDER		Number of Students
	Male	Female	
Undergraduate, Total	**59.2**	**40.8**	**110,802**
Associate	51.9	48.1	23,096
Bachelor's	61.1	38.9	87,706
Graduate, Total	**69.7**	**30.3**	**112,053**
Master's	66.4	33.6	52,158
Doctorate	74.1	25.9	44,863
Professional Training	68.6	31.4	2,257
Graduate, Unspecified	68.3	31.7	12,775
Other	**54.8**	**45.2**	**11,258**
ALL LEVELS	**64.0**	**36.0**	**234,113**

Asia, only half (51%), compared to two-thirds (66%) of the graduate students, were from this region. Latin Americans, the second largest regional group among foreign undergraduate students in the United states, accounted for 15%, a proportion more than twice that among graduate students. Europeans constituted 14% of undergraduates, almost equal to their proportion among graduates. Of the remaining students at the undergraduate level, about 9% were Middle Easterners, 6% were

3.A *World Region of Origin of Foreign Students Within Academic Levels, 1991/92*



3.B *Gender of Foreign Students Within Academic Levels, 1991/92*



Africans, 5% were North Americans, and a little over 1% were Oceanians.

As can be seen in **Table 3.2**, more than four-tenths of foreign undergraduates were congregated in just two fields: business and management (27%), and engineering (15%). It is interesting to note that, while a much larger share of graduate than undergraduate students studied engineering, the reverse is true for business and management: nearly twice as many undergraduate students selected this field. The "other" field, which includes such subject areas as liberal/general studies, attracted a sizeable 13% of undergraduates, while mathematics and computer science enrolled only 8%. Undergraduates showed little preference for the physical and life sciences (5%), which were popular among graduate students (15%).

The representation of women is higher among undergraduate than graduate students; just over four-in-ten (41%) of the undergraduates were female, (**Table 3.3**), compared to three in ten (31%) of the graduates. It is interesting to note that the male-to-female ratio is considerably more balanced at the associate than at the bachelor's level: women accounted for 48% of all students in junior colleges, but only 41% of students in four-year colleges.

4: FOREIGN STUDENTS BY FIELD OF STUDY

INTRODUCTION

What percentage of the foreign students studying engineering are female? What region of the world do most foreign business and management majors come from? Is a greater proportion of the students in social sciences studying at the graduate or undergraduate level? This chapter examines the academic levels, gender and geographic origins of international students within each field of study. Greater emphasis placed on the most popular fields among these students: engineering, business and management, and mathematics and computer science. Detailed distributions of foreign students among the subfields of engineering and business and management fields are included as well.

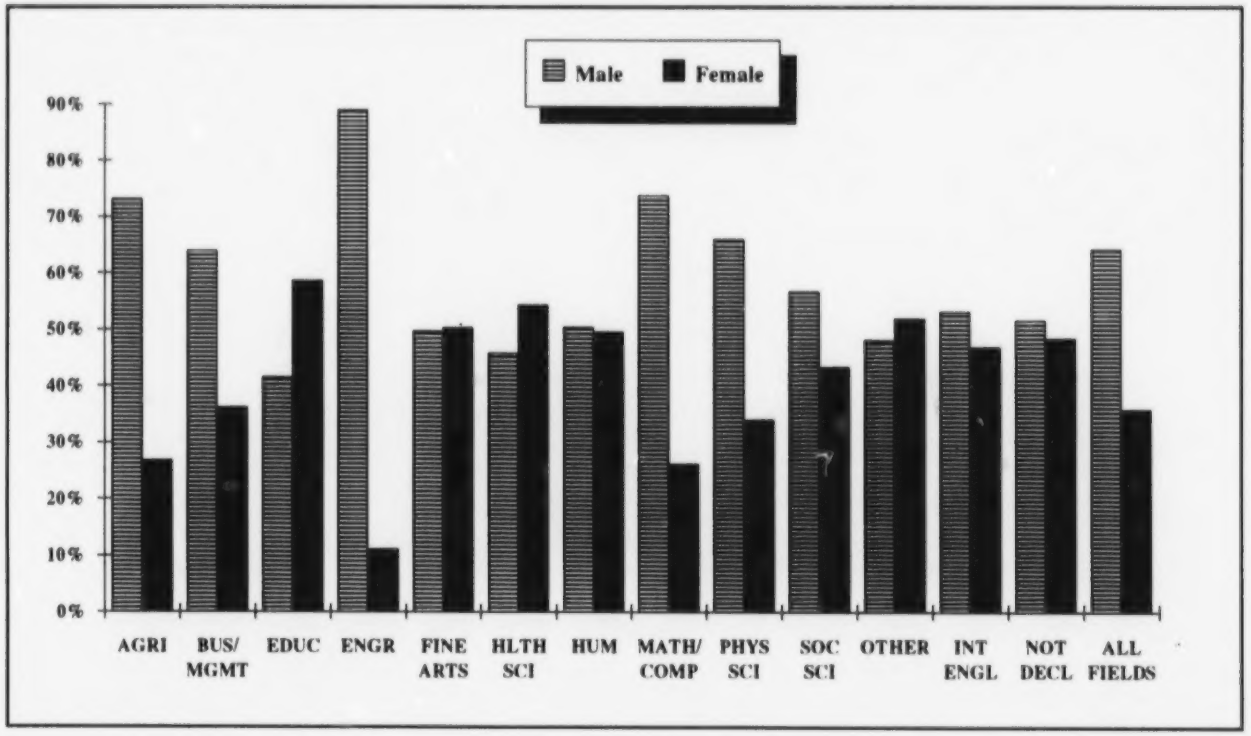
ENGINEERING

As shown in the previous chapter, large proportions of both graduate and undergraduate students were studying engineering in 1991/92. As can be seen in **Table 4.1**

4.1 Gender of Foreign Students Within Fields of Study, 1991/92

FIELD OF STUDY	GENDER		Students Reported
	Male	Female	
Agriculture	73.2	26.8	4,960
Business & Mgmt.	63.9	36.1	46,090
Education	41.4	58.6	7,294
Engineering	88.9	11.1	42,120
Fine and Applied Arts	49.7	50.3	11,476
Health Sciences	45.7	54.3	9,524
Humanities	50.4	49.6	10,147
Math & Computer Science	73.8	26.2	20,358
Physical & Life Sciences	66.0	34.0	22,399
Social Sciences	56.7	43.3	20,458
Other	48.1	51.9	19,251
Intensive English Language	53.1	46.9	5,488
Undeclared	51.6	48.4	9,959
ALL FIELDS	**64.2**	**35.8**	**229,524**

4.A Gender of Foreign Students Within Fields of Study, 1991/92



the vast majority (89%) of the engineering students were male. The proportion of males in this field was higher than in any other field and well above their representation among all foreign students (64%). In addition to being predominately male, foreign engineering students were also more often studying at the graduate (59%) than at the undergraduate (39%) level (**Table 4.2**). This pattern is drastically different from the pattern twelve years earlier, when less than 30% of foreign engineering students were in graduate programs (**Table 4.3**).

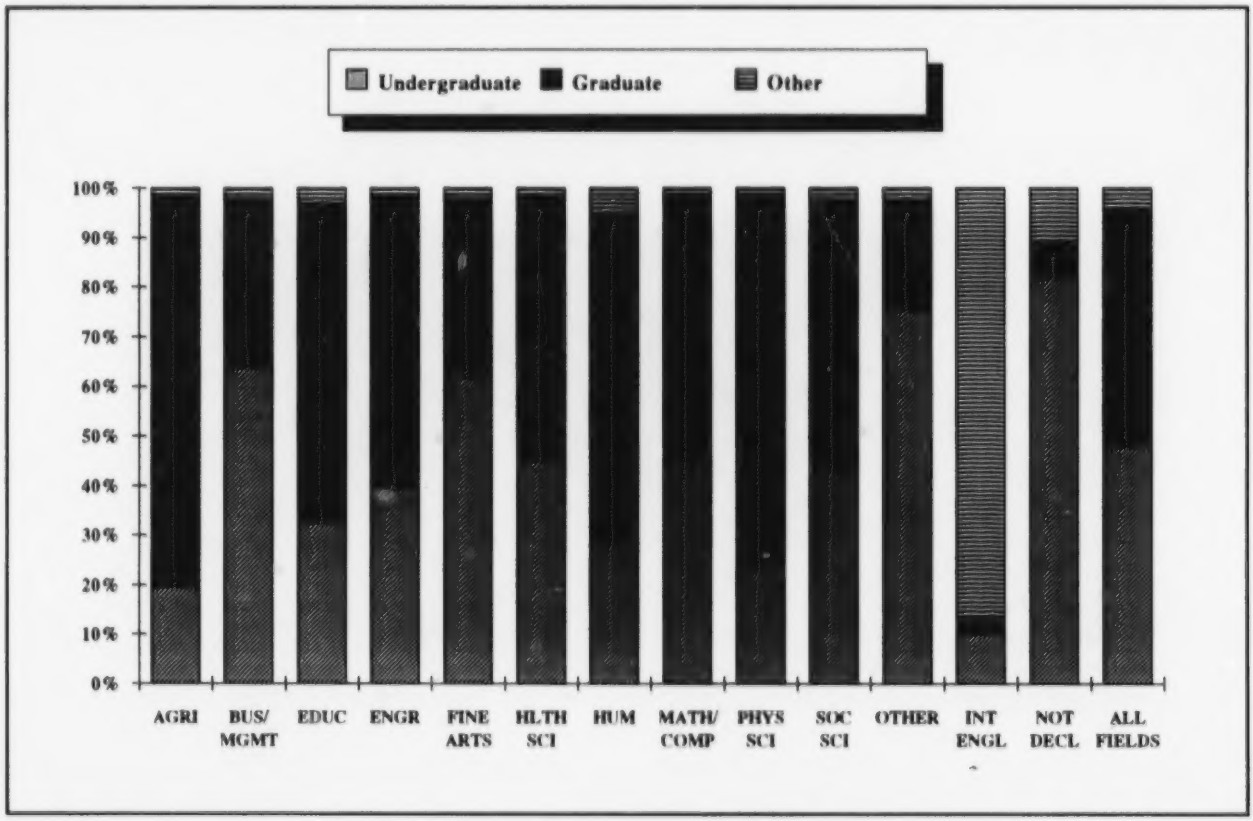
About two-thirds (66%) of the foreign engineering majors were from Asia. An additional 12% came from the Middle East. Latin Americans, the third-largest regional group among engineering students, accounted for 9% and Europeans for 7% (**Table 4.4 and Figure 4.C**).

With regard to region of origin, graduate and undergraduate engineering students differed noticeably (**Table 4.5**). While Asians constituted three-quarters (75%) of the foreign graduate students in engineering, they made up just half (50%) of undergraduates. The Middle East contributed only 8% of graduate students in this field,

4.2 Academic Level of Foreign Students Within Fields of Study, 1991/92

FIELD OF STUDY	ACADEMIC LEVEL			Students Reported
	Undergraduate	Graduate	Other	
Agriculture	19.4	79.4	1.2	4,919
Business & Mgmt.	63.4	34.7	1.8	48,318
Education	32.1	65.0	2.9	7,496
Engineering	39.3	59.1	1.6	44,369
Fine and Applied Arts	61.5	36.6	1.9	13,139
Health Sciences	44.8	53.7	1.5	10,087
Humanities	28.1	66.4	5.5	10,392
Math & Computer Scie.	45.1	53.3	1.6	21,468
Physical & Life Scie.	22.5	76.0	1.5	23,424
Social Sciences	42.7	54.8	2.5	21,345
Other	75.0	22.9	2.1	20,607
Intensive English Lang.	9.8	3.5	86.8	5,752
Undeclared	81.5	7.8	10.7	10,150
ALL FIELDS	**47.7**	**47.9**	**4.4**	**241,466**

4.B Academic Level of Foreign Students Within Fields of Study, 1991/92



4.3 *Academic Level of Foreign Students Within Fields of Study Selected Years, 1963/64 - 1991/92*

FIELD OF STUDY[1]/ YEAR	ACADEMIC LEVEL (Percentages) Undergraduate	Graduate	Other	Students Reported
Agriculture				
1963/64	35.1	55.0	9.9	2,294
1969/70	28.6	65.0	6.4	3,667
1973/74	27.9	67.3	4.8	3,688
1979/80	44.5	53.1	2.4	4,494
1989/90	22.7	76.0	1.3	4,930
1991/92	19.4	79.4	1.2	4,919
Business & Mgmt.				
1963/64	59.0	31.4	9.6	6,262
1969/70	60.0	34.2	5.8	15,587
1973/74	65.1	32.7	2.2	18,963
1979/80	64.2	33.6	2.2	23,968
1989/90	65.1	32.7	2.2	43,604
1991/92	63.4	34.7	1.8	48,318
Education				
1963/64	47.0	40.4	12.6	3,946
1969/70	44.2	50.0	5.8	7,779
1973/74	36.2	60.2	3.6	5,957
1979/80	41.4	56.7	1.9	7,161
1989/90	36.9	59.2	3.8	7,649
1991/92	32.1	65.0	2.9	7,496
Engineering				
1963/64	58.3	36.6	5.1	16,549
1969/70	48.5	47.8	3.7	29,731
1973/74	51.2	45.1	3.7	31,187
1979/80	69.7	29.1	1.2	37,786
1989/90	43.8	53.0	3.3	45,680
1991/92	39.3	59.1	1.6	44,369
Health Sciences				
1963/64	45.3	41.6	13.1	4,989
1969/70	51.4	39.9	8.7	5,969
1973/74	67.7	29.6	2.7	8,588
1979/80	58.2	39.5	2.3	5,926
1989/90	49.7	48.9	1.4	9,472
1991/92	44.8	53.7	1.5	10,087
Humanities				
1963/64	52.0	28.7	19.3	14,602
1969/70	55.1	29.4	15.5	26,508
1973/74	55.3	30.2	14.5	26,034
1979/80	63.0	32.3	4.7	14,297
1989/90	29.4	62.2	8.4	9,959
1991/92	28.1	66.4	5.5	10,392
Physical & Life Scie.				
1963/64	35.5	59.9	4.6	13,129
1969/70	33.7	62.3	4.0	21,406
1973/74	37.4	60.4	2.2	19,878
1979/80	46.6	51.3	2.1	15,655
1989/90	23.6	75.3	1.1	21,874
1991/92	22.5	76.0	1.5	23,424
Social Sciences				
1963/64	40.2	52.0	7.8	11,330
1969/70	42.2	51.2	6.6	17,272
1973/74	40.0	57.1	2.9	16,419
1979/80	44.5	53.0	2.5	15,144
1989/90	41.2	56.8	2.0	19,908
1991/92	42.7	54.8	2.5	21,345
Other				
1963/64	76.1	4.2	19.7	644
1969/70	80.7	5.5	13.8	597
1973/74	80.6	11.9	7.5	520
1979/80	53.3	9.8	36.9	22,224
1989/90	74.3	22.7	3.0	21,003
1991/92	75.0	22.9	2.1	20,607
ALL FIELDS				
1963/64	48.2	41.9	9.9	73,745
1969/70	47.4	45.3	7.3	128,516
1973/74	50.4	44.3	5.3	130,984
1979/80	58.1	36.2	5.7	150,878
1989/90	49.4	45.1	5.5	236,353
1991/92	47.7	47.9	4.4	241,466

[1]Field of Study categories in this table are those used from 1963-1974 and differ from those currently in use. The "Humanities" category includes data for architecture and fine arts; "Physical and Life Sciences" includes math; and "Other" includes Intensive English, undeclared fields and other non-specified field.

but more than twice that proportion, 18%, of undergraduates. Latin America supplied 15% of undergraduates, but a scant 5% of graduate students in this field.

History: Foreign engineering students' graduate-to-undergraduate ratio has varied considerably over time, as **Table 4.3** shows. In the mid-sixties only a little more than one-third (37%) of the foreign students in engineering were graduate students; by the end of the decade, that proportion had jumped to 48%. The share of graduate students remained high until the mid-seventies, but by the end of the decade it plunged to a low of 29%. In the late eighties, however, the percentage of graduate engineering students rose again to levels well above those in the late sixties, and, for the first time, graduate students made up over half of the students in this field.

Since 1979, the national and world region composition of engineering students has changed dramatically (**Table 4.4 and Figure 4.C**). The share held by Asians almost

4.4 *World Region of Origin of Foreign Students Within Fields of Study, 1979/80 and 1991/92*

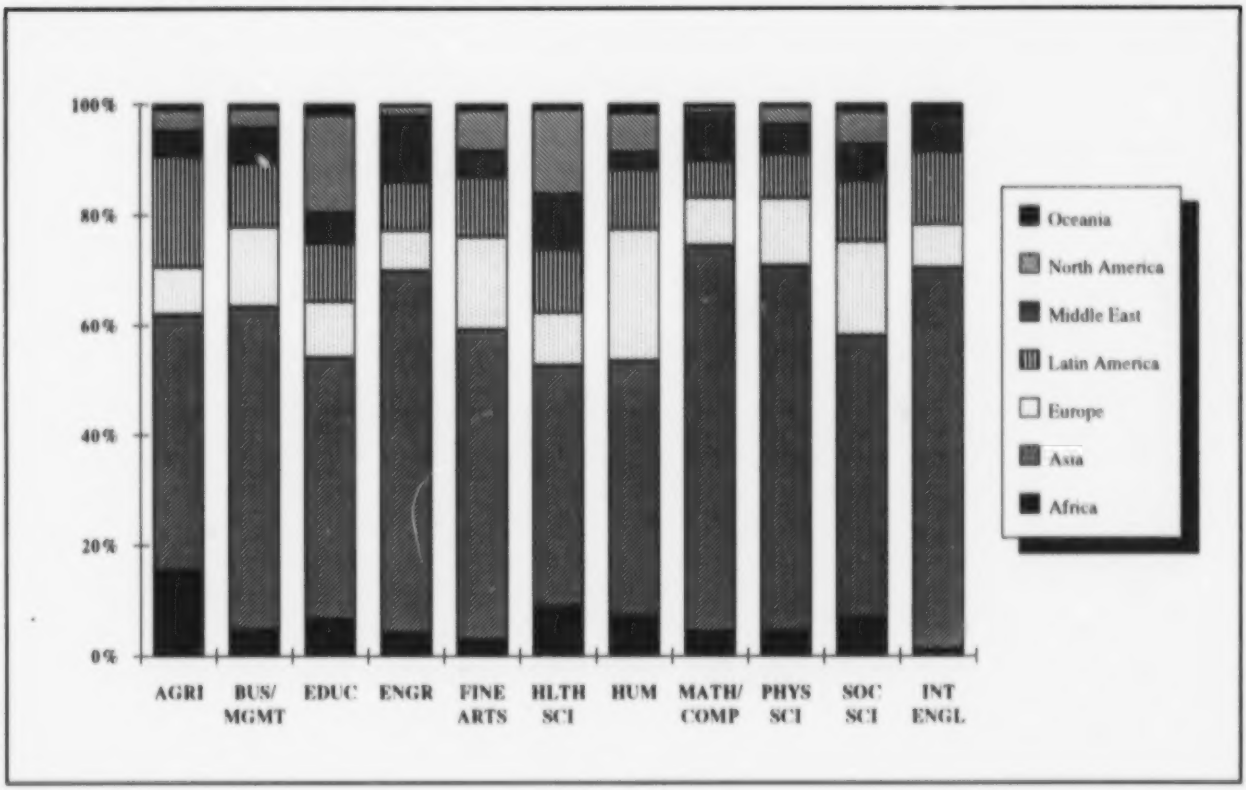
1979/80

FIELD OF STUDY	WORLD REGION (Percentages)							Students Reported
	Africa	Asia	Europe	Latin America	Middle East	North America	Oceania	
Agriculture	27.8	19.7	4.5	31.0	11.4	3.8	1.8	4,494
Business & Management	15.5	35.5	7.5	13.5	21.7	4.6	1.7	23,968
Education	15.6	22.2	7.0	16.0	18.4	15.7	5.1	7,161
Engineering	10.2	23.7	5.0	11.9	47.1	1.8	0.3	37,786
Fine and Applied Arts	9.8	27.1	11.5	14.3	23.1	12.7	1.5	6,780
Health Sciences	18.6	26.2	8.9	14.5	18.7	9.9	3.2	5,926
Humanities	10.1	29.0	18.9	15.7	10.9	12.6	2.8	7,517
Math & Computer Science	7.8	42.0	7.3	9.9	30.0	2.1	0.9	7,286
Physical & Life Sciences	14.2	36.5	9.5	14.2	20.2	4.0	1.4	12,592
Social Sciences	17.3	27.6	11.0	13.6	21.1	6.9	2.5	13,660
Other	12.1	26.1	10.2	15.6	24.2	9.0	2.8	9,784
Intensive English Language	3.5	19.1	4.5	42.6	30.0	0.3	—	3,630
Undeclared	10.1	24.4	12.8	17.0	25.9	8.1	1.7	10,294
ALL FIELDS	**12.6**	**28.6**	**7.9**	**14.8**	**29.2**	**5.4**	**1.5**	**150,878**

1991/92

FIELD OF STUDY	WORLD REGION (Percentages)							Students Reported
	Africa	Asia	Europe	Latin America	Middle East	North America	Oceania	
Agriculture	15.7	46.4	8.5	20.1	4.7	3.7	1.0	5,114
Business & Management	4.9	58.6	14.3	11.5	6.5	3.3	0.9	50,172
Education	6.7	47.5	10.1	10.6	5.5	17.6	2.0	7,901
Engineering	4.3	65.5	7.2	8.8	12.1	1.7	0.3	46,136
Fine and Applied Arts	3.0	56.2	16.7	10.8	4.9	7.1	1.2	13,437
Health Sciences	9.0	43.7	9.4	11.6	10.0	15.1	1.1	10,466
Humanities	7.5	46.1	23.8	10.8	3.2	7.0	1.7	10,648
Math & Computer Science	4.4	70.1	8.5	6.8	8.5	1.1	0.6	22,531
Physical & Life Sciences	4.7	66.1	12.0	8.0	5.4	3.2	0.5	24,140
Social Sciences	7.1	51.0	16.9	11.0	6.6	5.8	1.5	21,972
Other	4.7	51.2	15.7	14.8	6.0	6.0	1.5	21,339
Intensive English Language	1.2	69.2	7.8	13.2	6.8	0.4	1.4	6,008
Undeclared	5.3	47.2	20.8	13.7	5.7	6.2	1.1	10,907
ALL FIELDS	**5.3**	**58.2**	**12.8**	**10.7**	**7.4**	**4.6**	**0.9**	**250,771**

4.C World Region of Origin of Foreign Students Within Fields of Study, 1991/92



tripled between 1979 and 1991, going from 24% to 66%, while the share of Middle Easterners plummeted from 47% to 12% in the same period.

ENGINEERING SUBFIELDS

Four major subfields of engineering drew the largest numbers of foreign students in 1991/92: electrical (27%), general (14%) mechanical (15%), and civil (10%) (**Table 4.6**).

Although the majority of students in each of the subfields of engineering were from Asia, it is interesting to note the geographic composition of the remaining students in each subfield (**Table 4.8**). A much higher proportion of general engineering students than engineering students overall were from the Middle East, (16% compared to only 12% respectively). Latin Americans were over-represented in industrial engineering (15%) and Europeans were over-represented in chemical engineering (10%). Finally, the highest concentration of African students was in the civil engineering subfield, where they held a 7% share, almost twice the share of Africans in engineering overall.

BUSINESS AND MANAGEMENT

Two of every ten international students (20%) enrolled in business and management in 1991/92 (**Table 2.3**). Over one-quarter (27%) of the undergraduate and 15% of the graduate students chose this field of study (**Table 2.10**). Over one-third (36%) of the business and management majors were female, (**Table 4.1 and Figure 4.A**), a much higher proportion than in engineering, where women constituted only 11%. Business and management majors were most often (63%) undergraduates, unlike engineering, where a very high percentage of students studied at the graduate level (**Table 4.2 and Figure 4.B**). As in engineering, well over half of foreign business and management students (59%) were from Asia (**Table 4.4 and Figure 4.C**). Europeans were the second largest groups, representing 14% , followed by Latin Americans (12%) and Middle Easterners (7%).

The geographic origins of international students majoring in business and management at the graduate and undergraduate level varied significantly (**Table 4.5**). While over two-thirds of graduate business students

4.5 *World Region of Origin and Academic Level of Foreign Students Within Fields of Study, 1991/92*

UNDERGRADUATE

FIELD OF STUDY	WORLD REGION (Percentages)							Students Reported
	Africa	Asia	Europe	Latin America	Middle East	North America	Oceania	
Agriculture	18.5	23.2	10.3	33.3	4.0	9.3	1.5	950
Business & Management	5.5	54.8	14.2	14.1	6.9	3.5	1.0	30.545
Education	5.7	27.9	12.8	16.6	3.7	30.4	2.8	2.402
Engineering	5.7	50.3	8.1	15.1	17.6	2.8	0.3	17.375
Fine and Applied Arts	2.5	55.8	17.2	12.8	4.7	5.8	1.2	8.060
Health Sciences	12.0	38.4	9.0	16.1	10.5	12.9	1.1	4.489
Humanities	6.0	46.6	22.9	12.7	3.2	7.2	1.2	2.903
Math & Computer Science	5.9	62.2	7.8	9.8	11.9	1.2	0.9	9.637
Physical & Life Sciences	9.7	45.1	14.4	13.8	10.4	5.9	0.7	5.244
Social Sciences	6.8	47.4	18.4	13.4	5.3	6.6	2.0	9.087
Other	4.4	48.5	15.7	17.4	6.3	5.9	1.7	15.374
Intensive English Language	1.4	73.5	5.6	9.9	5.6	3.4	0.7	558
Undeclared	5.9	45.1	19.1	15.9	5.6	7.2	1.0	8.219
ALL FIELDS	**5.9**	**50.7**	**13.8**	**14.5**	**8.6**	**5.4**	**1.1**	**114,843**

GRADUATE

FIELD OF STUDY	WORLD REGION (Percentages)							Students Reported
	Africa	Asia	Europe	Latin America	Middle East	North America	Oceania	
Agriculture	15.0	51.7	8.1	17.5	4.8	1.9	0.8	3.903
Business & Management	3.4	65.0	14.6	7.5	5.8	2.9	0.7	16.719
Education	7.4	57.6	7.3	8.0	6.3	12.2	1.2	4.858
Engineering	3.5	75.2	6.7	5.2	8.1	1.1	0.2	26.196
Fine and Applied Arts	3.8	57.6	15.2	7.9	5.1	9.1	1.4	4.804
Health Sciences	6.2	48.4	9.5	8.0	9.1	17.6	1.1	5.398
Humanities	8.5	46.2	23.5	10.0	2.6	7.3	1.8	6.882
Math & Computer Science	2.7	76.5	9.4	4.2	5.8	0.9	0.4	11.417
Physical & Life Sciences	3.2	72.3	11.2	6.5	3.9	2.5	0.4	17.786
Social Sciences	7.4	53.6	15.2	9.6	7.5	5.5	1.1	11.672
Other	5.2	61.1	14.8	7.7	5.1	4.9	1.2	4.700
Intensive English Language	5.5	79.4	5.0	5.5	3.5	0.5	—	199
Undeclared	3.7	64.3	17.2	6.9	3.7	3.3	0.9	792
ALL FIELDS	**4.8**	**65.3**	**11.6**	**7.3**	**6.1**	**4.1**	**0.7**	**115,326**

4.6 Distribution of Foreign Students in Engineering and Business and Management Subfields, 1991/92

ENGINEERING			
SUBFIELD	**Percent of Engineering Students**	**Percent of All Students**	**Students Reported**
General	13.3	2.4	6,127
Chemical	6.4	1.2	2,954
Civil	9.5	1.8	4,406
Electrical	25.3	4.6	11,690
Industrial	6.1	1.1	2,835
Mechanical	13.5	2.5	6,257
Other Engineering[1]	18.4	3.4	8,523
Engin. Technologies	7.4	1.4	3,415
ALL SUBFIELDS	**100.0**	**18.4**	**46,228**

BUSINESS & MANAGEMENT			
SUBFIELD	**Percent of Bus & Mgmt Students**	**Percent of All Students**	**Students Reported**
General	76.6	15.3	38,544
Accounting	7.6	1.5	3,818
Finance	6.0	1.2	3,032
Management	0.2	—	105
Marketing	6.0	1.2	3,021
Other Business	2.1	0.4	1,071
Office Administration	1.5	0.3	757
ALL SUBFIELDS	**100.0**	**20.0**	**50,348**

[1] *See Table 4.7 for a breakdown of the "Other Engineering" category.*

4.7 Distribution of Foreign Students in "Other Engineering" Subfields, 1991/92

ENGINEERING SUBFIELD	**Percent of Engineering Students**	**Students Reported**
Aerospace, aeronautical, and astronautical engineering	3.1	1,322
Agricultural engineering	1.0	407
Architectural engineering	0.3	144
Bioengineering and biomedical engineering	1.8	768
Cartography	—	5
Ceramic engineering	0.2	71
Computer engineering	3.2	1,355
Engineering mechanics	0.5	209
Engineering physics	0.1	42
Engineering science	0.8	347
Environmental health engineering	1.2	526
Geological engineering	0.1	37
Geophysical engineering	0.1	55
Materials engineering	2.3	1,001
Metallurgical engineering	0.8	356
Mining and mineral engineering	0.5	199
Naval architecture and marine engineering	0.2	68
Nuclear engineering	0.8	359
Ocean engineering	0.3	124
Petroleum engineering	1.2	505
Systems engineering	0.7	285
Surveying and mapping sciences	—	18
Textile engineering	—	21
Engineering, other	0.7	299
TOTAL, "OTHER ENGINEERING"	**18.4**	**8,523**

(65%) were from Asia, only a little over half (55%) of the undergraduates came from that region. For other world groups, the ratios were reversed; 14% of undergraduates and 8% of graduate students were from Latin America, and 6% of undergraduates were from Africa compared to 3% of graduate students.

The graduate-to undergraduate ratio of foreign students in business and management has hardly changed in recent years, remaining roughly one graduate student to two undergraduates (**Table 4.3**). The region-of-origin composition of these students has, however, shifted significantly over time (**Table 4.4 and Figure 4.C**). The share of business students held by Africans dropped from 16% to 5% and the share held by Middle Easterners plummeted from 22% to 7% in the past twelve years. The Asian and European shares, however, have almost doubled in the same time period (from 36% to 59% and from 8% to 14%, respectively).

BUSINESS AND MANAGEMENT SUBFIELDS

By far the greatest majority (73%) of foreign students in business and management programs were enrolled in the subfield of general business and management. The second most popular subfield was accounting, attracting 9%, followed by finance and marketing, each enrolling about 7%. The remaining subfields attracted fewer than 3% each (**Table 4.6**).

4.8 *World Region of Origin of Foreign Students Within Engineering and Business and Management Subfields, 1991/92*

ENGINEERING								
	WORLD REGION (Percentages)							
SUBFIELD	Africa	Asia	Europe	Latin America	Middle East	North America	Oceania	Students Reported
General	5.0	61.2	7.7	8.1	16.4	1.2	0.3	6,097
Chemical	3.9	69.1	9.5	8.8	7.2	1.1	0.3	2,953
Civil	7.2	62.8	5.8	10.4	12.6	0.9	0.1	4,404
Electrical	3.5	70.9	6.3	5.6	12.4	1.2	0.1	11,673
Industrial	2.2	69.8	4.1	14.7	8.6	0.6	0.1	2,831
Mechanical	2.9	71.3	6.7	6.4	10.5	2.1	0.2	6,253
Other Engineering	4.2	65.3	8.8	7.0	11.6	2.6	0.3	8,512
ALL SUBFIELDS	**4.1**	**67.4**	**7.1**	**7.7**	**12.0**	**1.5**	**0.2**	**42,723**

BUSINESS AND MANAGEMENT								
	WORLD REGION (Percentages)							
SUBFIELD	Africa	Asia	Europe	Latin America	Middle East	North America	Oceania	Students Reported
General	4.7	59.2	14.5	10.9	6.4	3.3	0.9	32,462
Accounting	9.1	63.5	4.7	11.0	6.9	3.1	1.7	3,808
Finance	4.9	64.1	12.6	9.4	6.3	2.4	0.2	3,020
Management	1.9	51.4	15.2	16.2	12.4	1.0	1.9	105
Marketing	3.4	50.7	18.8	15.7	6.1	4.4	0.8	3,010
Other Business	5.1	52.2	16.3	13.5	7.0	5.5	0.5	1,068
Office Administration	3.0	60.9	5.6	24.0	2.1	1.2	3.0	755
ALL SUBFIELDS	**5.0**	**59.2**	**13.7**	**11.4**	**6.4**	**3.3**	**0.9**	**44,228**

Looking at the region-of-origin composition of students within business subfields, Africans were considerably over-represented in accounting, constituting 9% of accounting students, but only 5% of all students in the business and management field overall. Europeans, on the other hand, were proportionately under-represented in accounting, holding only a 5% share of students here. Europeans were strongest in marketing (19%) where only Asians held a higher share (51%). The subfield of office administration was characterized by a strikingly high proportion of Latin Americans (24%) and a comparatively low proportion of Europeans (6%) (**Table 4.8**).

MATHEMATICS AND COMPUTER SCIENCE

Math and computer science was chosen by almost equal proportions (approximately 10%) of the graduate and undergraduate foreign students, making this the third most populous field (**Table 2.10**). There were three times more males (74%) than females (26%) among foreign

students in math and computer science programs, as **Table 4.1 and Figure 4.A** show. Students in this field, however, were more evenly distributed among academic levels, with 45% studying at the undergraduate and 53% at the graduate level, as can be seen in **Table 4.2**.

A very large proportion of foreign students in the math and computer science field (70%) were Asians (**Table 4.4 and Figure 4.C**). Europeans and Middle Easterners made up 9% each, and Latin Americans constituted 7%. The composition of this group has changed substantially since 1979. Asians were still the largest regional group, but their share a was much smaller 42%. Also, students from the Middle East held a much larger 30%. The percentage of Latin Americans has fallen slightly in the past decade (from 10% to 7%), while the proportions of North Americans and Africans decreased by half.

Almost two-thirds of the undergraduate students studying mathematics and computer science (62%) were from Asia; the proportion of Asians being higher in this than in any other field at the undergraduate level with the exception intensive English language (74%) (**Table 4.5**). Middle Easterners were the second largest group accounting for 12% of undergraduates, and Latin Americans followed, making up 10%. Europeans were underrepresented in this field at only 8%.

The foreign graduate students in mathematics and computer science programs were characterized by the dominance of Asians, who made up over three-fourths (77%) of this group. No other regional group accounted for even 10% of this population.

APPENDICES

A. METHODOLOGY AND DATA

THE SURVEY

Profiles contains the results of a biennial survey of all regionally accredited two- and four-year institutions of higher education in the United States (as listed in the *HEP 1991 Higher Education Directory*; see Definitions at the front of this publication for details). The survey for this edition of *Profiles* was conducted from fall 1991 to spring 1992, in conjunction with the Annual Census of Foreign Students in the United States, the results of which are published in *Open Doors*. The survey is known as the Individual Data Survey or, because it calls for more in-depth data than those collected in the two stages or steps of the Annual Census, the "**Step 3**" survey. It asks college and university officials for information on the country of citizenship, field of study, academic level, gender, and primary source of financial support of each foreign student separately.

RESPONSE RATE

The Individual Data Survey was mailed to the same 2,823 regionally accredited institutions of higher education to which the Annual Census of Foreign Students was sent. (The HEP 1991 Higher Education Directory was used as the reference for accreditation status of institutions). The vast majority of institutions (2,646 or 94.4%) responded to the Census. Of the responding schools, 2,436 had international students.

Since completing the Individual Data Survey form is a very time-consuming task and since a number of schools simply do not have the needed data, not all institutions were able to submit the detailed data this survey calls for. Thus, only 1,849, or 76% of the 2,436 institutions with international students provided detailed **Step 3** data in 1991/92. As shown in **Table A.1**, these institutions enrolled a total of 273,321 international students, who represent two-thirds (65%) of the 419,590 students reported on the Annual Census. The discrepancy between the proportion of schools responding to the survey and the proportion of students being reported on reflects the inability of a number of institutions with large foreign student enrollments to provide detailed **Step 3** data.

DATA CHARACTERISTICS

Although complete information was not provided for every individual, as **Table A.2** shows, the response rate on all but one major characteristic was high, ranging from 87.4% to 99.6%. The exception is primary source of support, which was given for only 35% of the students

A.1 Annual Census and Individual Data Survey: Response Rates, 1979/80 - 1991/92

Year	Institutions						Students		
	Number Surveyed	Number Rsponding to Open Doors	% Responding	Number w/ Foreign Students	Number Responding to Profiles	% of Schools w/ Foreign Students	Reported in Open Doors	Reported in Profiles	% Profiles of Open Doors
1979/80	3,186	2,950	92.6	2,651	1,961	74.0	286,340	158,240	55.3
1981/82	2,862	2,693	94.1	2,454	1,845	75.2	326,300	197,089	60.4
1983/84	2,844	2,766	97.3	2,498	2,007	80.3	338,890	216,280	63.8
1985/86	2,902	2,803	96.6	2,507	2,116	84.4	343,780	227,966	66.3
1987/88	2,893	2,878	99.5	2,552	1,925	75.4	356,190	225,999	63.4
1989/90	2,891	2,840	98.2	2,546	2,002	78.6	386,850	252,998	65.4
1991/92	2,823	2,646	94.4	2,436	1,849	75.9	419,590	273,321	65.1

A.2 *Individual Data Survey: Response Rate to Major Foreign Student Characteristics, 1991/92*

CHARACTERISTICS	Number of Students Reported	% of All Students (274,319)
Nationality	272,278	99.6
Gender	238,854	87.4
Academic Level	257,987	94.4
Field of Study	251,672	92.1
Primary Source of Support	95,777	35.0

reported on in the **Step 3** survey. This variable, therefore, was not included in *Profiles* analyses.

Because of the varying response rates on specific characteristics, the absolute numbers of students in specific categories vary from one table to another. Also, the totals in more complex tables are even smaller, because there are more incomplete records when more variables are analyzed simultaneously.

Statistical evidence is strong for the assumption that **Step 3** data are representative of Census data. The characteristics of students in the two surveys (nationality, field of study, academic level, and gender) are quite similar, as can be seen in **Table A.3**. Also, the characteristics of the institutions responding to the **Step 3** survey (location, program length (two-year/four-year), and institutional control (public/private) closely match the characteristics of those responding to the Census. Therefore, **Step 3** (or *Profiles*) data may be assumed to be representative of Census (or *Open Doors*) data.

The user can combine *Open Doors* and *Profiles* analyses to obtain information not available from either publication alone. For instance, it is known from *Profiles* that, in 1991/92, 18.2% of the Mexican students were studying math and computer science and from *Open Doors* that the total number of Mexican students reported was 6,647. By taking 18.2% of 6,647 (6,647 multiplied by 0.182) one can estimate that the total number of Mexican students in this field was approximately 1,210.

A.3 *Foreign Student Characteristics: Annual Census and Individual Data Survey, 1991/92*

CHARACTERISTIC	Annual Census	Individual Data Survey
WORLD REGION		
Africa	5.2	5.2
Asia	58.7	58.4
Europe	12.8	12.9
Latin America	10.4	10.6
Middle East	7.3	7.4
North America	4.7	4.5
Oceania	0.9	0.9
Stateless	0.1	0.1
FIELD OF STUDY		
Agriculture	2.0	2.0
Business and Management	20.1	20.0
Education	3.0	3.1
Engineering	17.7	18.4
Fine and Applied Arts	5.1	5.3
Health Sciences	4.1	4.2
Humanities	3.8	4.2
Math and Computer Sciences	8.7	9.0
Physical and Life Sciences	8.8	9.6
Social Sciences	7.6	8.8
Other	8.6	8.5
Intensive English Language	4.1	2.4
Undeclared	6.4	4.4
ACADEMIC LEVEL		
Associate	11.8	10.9
Bachelor	35.2	36.7
Total Undergraduate	47.0	47.6
Graduate	45.6	47.1
Other	7.4	5.3
U.S. REGION		
Northeast	25.1	24.2
Midwest	23.2	26.4
South	19.5	19.3
Pacific	18.1	14.2
Southwest	10.1	10.9
Mountain	3.6	4.4
Other	0.4	0.5
TYPE OF INSTITUTION		
Two-Year	13.1	13.5
Four-Year	86.9	86.5
Public	64.7	64.8
Private	35.3	35.2
TOTAL STUDENTS REPORTED	**419,585**	**274,319**

A.4 Response Rate by Country: Step 2/Step 3 Comparisons

The following table presents the numbers and percentages of students from each country or other place, continental subregion, and world region for whom data were reported in the Annual Census and the Individual Data (**Step 3**) survey. Brief explanations of the column headings are provided to make the table clearer:

STEP 3 TOTAL The number of students from each country or other place, continental subregion, and world region for whom data were reported in the **Step 3** survey.

ST3 AS % OF WORLD The students from a given locality as a percentage of all students reported on in the **Step 3** survey.

STEP2 TOTAL The number of students from each locality for whom **Step 2** data were reported in the Annual Census.

ST2 AS % OF WORLD The students from a given locality as a percentage of all students reported in the Annual Census.

ST3 AS % OF ST2 The students from a given locality for whom data were reported in the **Step 3** survey as a percentage of students from the same locality for whom data were reported in the Annual Census.

	LOCATION	TOTALS				
	COUNTRY/ SUB REGION/ REGION	STEP3 TOTAL	ST3 AS % OF WORLD	STEP2 TOTAL	ST2 AS % OF WORLD	ST3 AS % OF ST2
1	UNKNOWN AREA OF WORLD	1043	0	0	0	0
2	UNKNOWN AREA OF WORLD	1043	0	0	0	0
3	UNKNOWN AREA OF WORLD	1043	0	0	0	0
4	EASTERN AFRICA, UNSPECIFIED	1	0	1	0	100
5	DJIBOUTI	16	0	16	0	100
6	BURUNDI	46	0	60	0	77
7	COMOROS	11	0	16	0	69
8	ETHIOPIA	1015	0	1417	0	72
9	KENYA	1532	1	2196	1	70
10	MADAGASCAR	46	0	68	0	68
11	MALAWI	191	0	232	0	82
12	MAURITIUS	95	0	133	0	71
13	MOZAMBIQUE	39	0	50	0	78
14	REUNION ISLAND	1	0	0	0	0
15	ZIMBABWE	433	0	550	0	79
16	RWANDA	45	0	85	0	53
17	SEYCHELLES	19	0	17	0	112
18	SOMALIA	151	0	217	0	70
19	TANZANIA	409	0	519	0	79
20	UGANDA	365	0	480	0	76
21	ZAMBIA	264	0	370	0	71
22	EASTERN AFRICA	4679	2	6427	2	73
23	CENTRAL AFRICA, UNSPECIFIED	1	0	1	0	100
24	ANGOLA	33	0	34	0	97
25	CAMEROON	535	0	887	0	60
26	CENTRAL AFRICAN REPUBLIC	12	0	10	0	120
27	CHAD	18	0	37	0	49
28	CONGO	32	0	58	0	55
29	EQUATORIAL GUINEA	6	0	12	0	50
30	GABON	38	0	53	0	72
31	SAO TOME & PRINCIPE	13	0	18	0	72
32	ZAIRE	270	0	432	0	63
33	CENTRAL AFRICA	958	0	1542	0	62
34	ALGERIA	229	0	297	0	77
35	CANARY ISLANDS	1	0	1	0	100
36	EGYPT	1076	0	1445	0	74
37	LIBYA	69	0	98	0	70
38	MOROCCO	677	0	969	0	70
39	WESTERN SAHARA	5	0	1	0	500
40	SUDAN	357	0	479	0	75
41	TUNISIA	339	0	442	0	77
42	NORTH AFRICA	2753	1	3732	1	74
43	SOUTHERN AFRICA, UNSPECIFIED	2	0	0	0	0
44	BOTSWANA	191	0	240	0	80
45	LESOTHO	40	0	55	0	73

A.4 RESPONSE RATE BY COUNTRY : STEP 2 / STEP 3 COMPARISONS

	LOCATION	TOTALS				
	COUNTRY/ SUB REGION/ REGION	STEP3 TOTAL	ST3 AS % OF WORLD	STEP2 TOTAL	ST2 AS % OF WORLD	ST3 AS % OF ST2
1	NAMIBIA	133	0	163	0	82
2	SOUTH AFRICA	1327	0	1830	0	73
3	SWAZILAND	119	0	143	0	83
4	SOUTHERN AFRICA	1812	1	2431	1	75
5	WEST AFRICA, UNSPECIFIED	11	0	17	0	65
6	CAPE VERDE	39	0	44	0	89
7	BENIN	30	0	38	0	79
8	GAMBIA	147	0	211	0	70
9	GHANA	651	0	922	0	71
10	GUINEA	31	0	45	0	69
11	GUINEA-BISSAU	8	0	10	0	80
12	COTE D'IVOIRE	218	0	322	0	68
13	LIBERIA	292	0	411	0	71
14	MALI	83	0	103	0	81
15	MAURITANIA	33	0	39	0	85
16	NIGER	46	0	58	0	79
17	NIGERIA	1812	1	2882	1	63
18	SENEGAL	167	0	289	0	58
19	SIERRA LEONE	218	0	331	0	66
20	TOGO	59	0	85	0	69
21	BURKINA FASO	31	0	35	0	89
22	WEST AFRICA	3876	1	5842	2	66
23	AFRICA, UNSPECIFIED	13	0	15	0	87
24	AFRICA REGION UNSPECIFIED	13	0	15	0	87
25	AFRICA	14091	5	19989	5	70
26	EAST ASIA, UNSPECIFIED	1	0	0	0	0
27	CHINA	28217	10	39192	10	72
28	TAIWAN	22398	8	32448	8	69
29	HONG KONG	7785	3	12039	3	65
30	JAPAN	26167	10	37146	10	70
31	KOREA,DEMOCRATIC PEOPLES REPUB	41	0	97	0	42
32	KOREA, REPUBLIC OF	16740	6	23473	6	71
33	MACAO	136	0	244	0	56
34	MONGOLIA	9	0	11	0	82
35	EAST ASIA	101494	37	144650	38	70
36	SOUTH CENTRAL ASIA,UNSPECIFIED	12	0	0	0	0
37	AFGHANISTAN	75	0	119	0	63
38	BANGLADESH	1775	1	2541	1	70
39	BHUTAN	19	0	27	0	70
40	INDIA	21821	8	29693	8	73
41	MALDIVES	2	0	8	0	25
42	NEPAL	621	0	760	0	82
43	PAKISTAN	5426	2	7409	2	73
44	SRI LANKA	1610	1	2170	1	74
45	TAJIKISTAN	8	0	0	0	0

	LOCATION	TOTALS				
	COUNTRY/ SUB REGION/ REGION	STEP3 TOTAL	ST3 AS % OF WORLD	STEP2 TOTAL	ST2 AS % OF WORLD	ST3 AS % OF ST2
1	SOUTH CENTRAL ASIA	31369	11	42727	11	73
2	SOUTH-EAST ASIA, UNSPECIFIED	4	0	0	0	0
3	BRUNEI	13	0	21	0	62
4	MYANMAR	242	0	368	0	66
5	INDONESIA	6407	2	9356	2	68
6	CAMBODIA	68	0	95	0	72
7	LAOS	43	0	85	0	51
8	MALAYSIA	8655	3	11541	3	75
9	PHILIPPINES	2433	1	3607	1	67
10	SINGAPORE	3214	1	4340	1	74
11	THAILAND	4856	2	7014	2	69
12	VIETNAM	321	0	543	0	59
13	SOUTH-EAST ASIA	26256	10	36970	10	71
14	BAHRAIN	201	0	272	0	74
15	CYPRUS	1125	0	1653	0	68
16	IRAN	3023	1	4500	1	67
17	IRAQ	268	0	376	0	71
18	ISRAEL	1895	1	2854	1	66
19	JORDAN	2469	1	3377	1	73
20	KUWAIT	1161	0	1667	0	70
21	LEBANON	1906	1	2807	1	68
22	OMAN	260	0	370	0	70
23	QATAR	285	0	398	0	72
24	SAUDI ARABIA	2543	1	3244	1	78
25	SYRIA	660	0	1019	0	65
26	TURKEY	3053	1	4162	1	73
27	UNITED ARAB EMIRATES	985	0	1330	0	74
28	YEMEN	312	0	454	0	69
29	MIDDLE EAST	20146	7	28483	7	71
30	ASIA	179265	66	252830	66	71
31	ALBANIA	5	0	7	0	71
32	BULGARIA	434	0	505	0	86
33	CZECHOSLOVAKIA	271	0	361	0	75
34	HUNGARY	478	0	669	0	71
35	POLAND	806	0	1148	0	70
36	ROMANIA	286	0	380	0	75
37	AZERBAIJAN	1	0	1	0	100
38	U. S. S. R.	1225	0	1843	0	66
39	BELARUS	1	0	1	0	100
40	UKRAINE	18	0	3	0	600
41	ESTONIA	17	0	27	0	63
42	LATVIA	10	0	13	0	77
43	LITHUANIA	19	0	16	0	119
44	RUSSIA	74	0	7	0	57
	MOLDOVA	0	0	1	0	0

A.4 RESPONSE RATE BY COUNTRY : STEP 2 / STEP 3 COMPARISONS

	LOCATION	TOTALS				
	COUNTRY/ SUB REGION/ REGION	STEP3 TOTAL	ST3 AS % OF WORLD	STEP2 TOTAL	ST2 AS % OF WORLD	ST3 AS % OF ST2
1	GEORGIA	5	0	0	0	0
	ARMENIA	0	0	1	0	0
2	YUGOSLAVIA	981	0	1306	0	75
3	CROATIA	2	0	1	0	200
	SLOVENIA	0	0	1	0	0
4	EASTERN EUROPE	4633	2	6291	2	74
5	WESTERN EUROPE, UNSPECIFIED	1	0	1	0	100
6	ANDORRA	4	0	5	0	80
7	AUSTRIA	447	0	646	0	69
8	BELGIUM	560	0	833	0	67
9	DENMARK	532	0	765	0	70
10	FINLAND	622	0	843	0	74
11	FRANCE	3395	1	5093	1	67
12	GERMANY	5039	2	6912	2	73
13	GIBRALTAR	5	0	1	0	500
14	GREECE	2815	1	4097	1	69
15	VATICAN CITY	4	0	1	0	400
16	ICELAND	435	0	821	0	53
17	IRELAND	743	0	1142	0	65
18	ITALY	1536	1	2269	1	68
19	LIECHTENSTEIN	4	0	4	0	100
20	LUXEMBOURG	23	0	54	0	43
21	MALTA	33	0	41	0	80
22	MONACO	5	0	13	0	38
23	NETHERLANDS	1497	1	1917	1	78
24	NORWAY	1526	1	2201	1	69
25	PORTUGAL	500	0	707	0	71
	SAN MARINO	0	0	1	0	0
26	SPAIN	3275	1	4188	1	78
27	SWEDEN	1481	1	2072	1	71
28	SWITZERLAND	891	0	1283	0	69
29	UNITED KINGDOM	5095	2	6818	2	75
30	ENGLAND	1	0	0	0	0
31	WESTERN EUROPE	30469	11	42728	11	71
32	EUROPE	35102	13	49019	13	72
33	CARIBBEAN, UNSPECIFIED	163	0	190	0	86
34	ARUBA	22	0	23	0	96
35	BAHAMAS	1259	0	1757	0	72
36	BARBADOS	322	0	452	0	71
37	CAYMAN ISLANDS	83	0	99	0	84
38	CUBA	54	0	70	0	77
39	DOMINICAN REPUBLIC	656	0	852	0	77
40	GUADELOUPE	11	0	11	0	100
41	HAITI	566	0	820	0	69
42	JAMAICA	1794	1	2410	1	74

	LOCATION	TOTALS				
	COUNTRY/ SUB REGION/ REGION	STEP3 TOTAL	ST3 AS % OF WORLD	STEP2 TOTAL	ST2 AS % OF WORLD	ST3 AS % OF ST2
1	LEEWARD ISLANDS	6	0	4	0	150
2	ANTIGUA	116	0	194	0	60
3	BRITISH VIRGIN ISLANDS	50	0	105	0	48
4	MONTSERRAT	9	0	20	0	45
5	ST. KITTS-NEVIS	44	0	131	0	34
6	ANGUILLA	6	0	23	0	26
7	MARTINIQUE	8	0	9	0	89
8	NETHERLANDS ANTILLES	347	0	569	0	61
9	TRINIDAD & TOBAGO	1423	1	1979	1	72
10	TURKS & CAICOS ISLANDS	14	0	21	0	67
11	WINDWARD ISLANDS	2	0	3	0	67
12	DOMINICA	85	0	104	0	82
13	GRENADA	95	0	143	0	66
14	ST. LUCIA	52	0	76	0	68
15	ST. VINCENT	64	0	88	0	73
16	CARIBBEAN	7251	3	10153	3	71
17	BELIZE	195	0	261	0	75
18	COSTA RICA	686	0	863	0	79
19	EL SALVADOR	611	0	793	0	77
20	GUATEMALA	490	0	679	0	72
21	HONDURAS	781	0	998	0	78
22	MEXICO	4541	2	6067	2	75
23	NICARAGUA	422	0	473	0	89
24	PANAMA	1109	0	1570	0	71
25	CENTRAL AMERICA	8835	3	11704	3	75
26	SOUTH AMERICA, UNSPECIFIED	5	0	3	0	167
27	ARGENTINA	1343	0	1871	0	72
28	BOLIVIA	606	0	790	0	77
29	BRAZIL	2868	1	3885	1	74
30	CHILE	617	0	893	0	69
31	COLOMBIA	1929	1	2675	1	72
32	ECUADOR	816	0	1111	0	73
33	FALKLAND ISLANDS	2	0	0	0	0
34	FRENCH GUIANA	8	0	6	0	133
35	GUYANA	262	0	420	0	62
36	PARAGUAY	187	0	233	0	80
37	PERU	1688	1	2432	1	69
38	SURINAME	132	0	181	0	73
39	URUGUAY	142	0	215	0	66
40	VENEZUELA	2167	1	2853	1	76
41	SOUTH AMERICA	12772	5	17568	5	73
42	LATIN AMERICA	28858	11	39425	10	73
43	BERMUDA	362	0	534	0	68
44	CANADA	11967	4	17518	5	68
45	NORTH AMERICAN REGION	12329	5	18052	5	68

A.4 RESPONSE RATE BY COUNTRY : STEP 2 / STEP 3 COMPARISONS

	LOCATION	TOTALS				
	COUNTRY/ SUB REGION/ REGION	STEP3 TOTAL	ST3 AS % OF WORLD	STEP2 TOTAL	ST2 AS % OF WORLD	ST3 AS % OF ST2
1	NORTH AMERICA	12329	5	18052	5	68
2	AUSTRALIA	1229	0	1840	0	67
3	NEW ZEALAND	436	0	629	0	69
4	AUSTRALIA + NEW ZEALAND	1665	1	2469	1	67
5	SOLOMON ISLANDS	1	0	3	0	33
6	FIJI	45	0	90	0	50
7	FRENCH POLYNESIA	18	0	33	0	55
8	KIRIBATI	1	0	3	0	33
9	MARSHALL ISLANDS	13	0	9	0	144
10	NAURU	1	0	2	0	50
11	NEW CALEDONIA	5	0	8	0	63
12	PAPUA-NEW GUINEA	11	0	17	0	65
13	VANUATU	1	0	1	0	100
	NIUE	0	0	4	0	0
14	NORFOLK ISLAND	1	0	0	0	0
15	MICRONESIA, FED STATES OF	491	0	785	0	63
16	PALAU	180	0	38	0	474
17	TONGA	25	0	24	0	104
18	TUVALU	1	0	1	0	100
19	WESTERN SAMOA	41	0	42	0	98
20	PACIFIC OCEAN ISLAND AREAS	835	0	1060	0	79
21	OCEANIA	2500	1	3529	1	71
22	STATELESS	99	0	106	0	93
23	COUNTRY UNKNOWN	34	0	0	0	0
24	STATELESS REGION	133	0	106	0	125
25	STATELESS OR UNKNOWN	133	0	106	0	125
26	******** FINAL TOTALS *******	273321	100	382950	100	71

B. FOREIGN STUDENTS BY COUNTRY AND REGION OF ORIGIN

Appendix B consists of three tables containing more detailed information than the tables in the main body of *Profiles*.

- **Table B.1** is the most complex of the three. It presents the number and percentage of all students for whom data were reported in the **Step 3** survey from each country or other place (e.g., Tanzania), continental subregion (e.g., Eastern Africa), and world region of origin (e.g., Africa), categorized by Field and Subfield of Study. It also shows students in each major field as a percentage of all foreign students from a given country or other place/subregion/region. The example in the diagram below will make this breakdown clear.

  In **Table B.1**, the **major fields of study** are presented in alphabetical order, followed by the categories "Other Fields of Study" and "Intensive English." The major fields are: Agriculture; Business and Management; Education; Engineering and Related Technologies; Fine and Applied Arts; Health Professions; Humanities; Mathematics and Computer Sciences; Physical and Life Sciences; and Social Sciences. The reader who wishes to locate all students from a given country in all fields of study must take individual data from each field-of-study listing.

- **Table B.2**, which begins on page 106, presents the number and percentage of students for whom data were reported in the **Step 3** survey from each country, continental subregion, and world region of origin, categorized by **gender**. It also shows the total number of students from a given country or other place/subregion/region and the total percentage for whom information was provided on gender.

- **Table B.3**, which begins on page 115, presents the number and percentage of students for whom data were reported in the Step 3 survey from each country or other place, continental subregion, and world region of origin, categorized by **academic level**. It also shows the total number of students from the country/subregion/region and the total percentage for whom information was provided on academic level.

Major Field of Study (e.g., Agriculture)

		(Subfield 1) GENRL	(Subfield 2) AG SCI	(Subfield 3) CONSERV	TOTAL	
COUNTRY	ST3 TOTAL	NUM	NUM	NUM	NUM	% FS
KENYA	1136	13	43	2	58	5

Absolute Number of students from a given locality reported on in the **Step 3** survey

Absolute number of students from a given locality in each Subfield

Number of students from a given locality in Major Field

Students in Major Field from a given locality as percentage of all students reported on in **Step 3** survey

	ST3 TOTAL	AGRICULTURE					BUSINESS & MANAGEMENT					EDUCATION	
		AGRIC	AG SCI	CONSERV	TOTAL		BUS/MGT	MKT/DIST	OTHER	TOTAL		TOTAL	
		NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	NUM	% FS	NUM	% FS
UNKNOWN AREA OF WORLD	1043	3	2	0	5	1	169	5	2	176	20	23	3
UNKNOWN AREA OF WORLD	1043	3	2	0	5	1	169	5	2	176	20	23	3
UNKNOWN AREA OF WORLD	1043	3	2	0	5	1	169	5	2	176	20	23	3
EASTERN AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0	0
DJIBOUTI	16	0	0	1	1	6	5	0	0	5	31	0	0
BURUNDI	46	1	11	0	12	27	8	1	0	9	20	0	0
COMOROS	11	0	0	0	0	0	2	0	0	2	20	1	10
ETHIOPIA	1015	13	16	4	33	3	176	0	1	177	19	23	2
KENYA	1532	40	63	8	111	8	384	12	6	402	27	58	4
MADAGASCAR	46	1	2	0	3	7	5	0	0	5	11	4	9
MALAWI	191	0	16	4	20	11	30	1	1	32	18	5	3
MAURITIUS	95	0	0	0	0	0	19	1	0	20	25	1	1
MOZAMBIQUE	39	2	8	1	11	31	5	0	0	5	14	1	3
REUNION ISLAND	1	0	0	0	0	0	0	0	0	0	0	0	0
ZIMBABWE	433	6	13	1	20	5	73	9	0	82	20	14	3
RWANDA	45	1	7	0	8	21	10	0	0	10	26	4	11
SEYCHELLES	19	0	0	0	0	0	9	0	0	9	47	0	0
SOMALIA	151	4	4	0	8	6	19	0	0	19	13	9	6
TANZANIA	409	8	17	2	27	7	80	0	0	80	21	16	4
UGANDA	365	4	19	0	23	7	56	1	2	59	17	15	4
ZAMBIA	264	12	15	1	28	11	68	1	0	69	28	6	2
EASTERN AFRICA	4679	92	191	22	305	7	949	26	10	985	22	157	4
CENTRAL AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0	0
ANGOLA	33	0	0	0	0	0	12	0	0	12	39	0	0
CAMEROON	535	16	25	2	43	8	101	1	3	105	20	20	4
CENTRAL AFRICAN REPUBLIC	12	1	0	1	2	17	5	0	0	5	42	0	0
CHAD	18	0	2	0	2	20	1	0	0	1	10	0	0
CONGO	32	4	2	0	6	20	7	0	1	8	27	2	7
EQUATORIAL GUINEA	6	0	1	0	1	17	2	0	0	2	33	0	0
GABON	38	0	0	0	0	0	14	0	0	14	45	1	3
SAO TOME & PRINCIPE	13	0	2	0	2	17	4	0	0	4	33	4	33
ZAIRE	270	19	16	2	37	15	44	1	0	45	18	8	3
CENTRAL AFRICA	958	40	48	5	93	10	190	2	4	196	22	35	4
ALGERIA	229	1	2	0	3	1	25	0	0	25	12	2	1
CANARY ISLANDS	1	0	0	0	0	0	0	0	0	0	0	0	0
EGYPT	1076	6	24	2	32	3	105	3	1	109	11	17	2
LIBYA	69	0	1	0	1	2	12	0	0	12	18	3	5
MOROCCO	677	19	34	6	59	9	128	5	0	133	21	9	1
WESTERN SAHARA	5	0	0	0	0	0	0	0	0	0	0	0	0
SUDAN	357	9	11	5	25	8	29	0	0	29	9	8	2
TUNISIA	339	6	7	1	14	5	42	0	0	42	14	3	1
NORTH AFRICA	2753	41	79	14	134	5	341	8	1	350	14	42	2
SOUTHERN AFRICA, UNSPECIFIE	2	0	0	0	0	0	0	0	0	0	0	0	0
BOTSWANA	191	9	29	2	40	22	26	1	2	29	16	10	5
LESOTHO	40	1	6	0	7	18	4	0	0	4	10	6	15

FIELD OF STUDY

	ST3 TOTAL	AGRICULTURE					BUSINESS & MANAGEMENT					EDUCATION	
		AGRIC	AG SCI	CONSERV	TOTAL		BUS/MGT	MKT/DIST	OTHER	TOTAL		TOTAL	
		NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	NUM	% FS	NUM	% FS
NAMIBIA	133	0	3	0	3	2	15	1	0	16	12	12	9
SOUTH AFRICA	1327	5	11	4	20	2	190	7	2	199	16	94	8
SWAZILAND	119	3	6	1	10	9	16	1	0	17	15	10	9
SOUTHERN AFRICA	1812	18	55	7	80	5	251	10	4	265	15	132	8
WEST AFRICA, UNSPECIFIED	11	0	0	0	0	0	4	0	0	4	36	0	0
CAPE VERDE	39	2	3	0	5	13	7	0	0	7	18	2	5
BENIN	30	2	1	0	3	10	4	0	0	4	13	2	7
GAMBIA	147	8	6	2	16	11	41	1	1	43	30	8	6
GHANA	651	7	13	2	22	3	90	4	3	97	15	18	3
GUINEA	31	2	3	0	5	17	2	1	0	3	10	0	0
GUINEA-BISSAU	8	0	0	0	0	0	1	0	0	1	14	1	14
COTE D'IVOIRE	218	6	16	1	23	11	37	1	1	39	19	1	0
LIBERIA	292	2	8	2	12	4	60	0	1	61	22	10	4
MALI	83	4	10	1	15	19	10	0	0	10	13	10	13
MAURITANIA	33	0	5	1	6	19	3	1	0	4	13	0	0
NIGER	46	1	10	0	11	25	3	0	0	3	7	3	7
NIGERIA	1812	14	22	2	38	2	282	6	6	294	17	86	5
SENEGAL	167	5	8	7	20	13	57	2	2	61	40	2	1
SIERRA LEONE	218	1	1	0	2	1	29	1	1	31	15	12	6
TOGO	59	1	2	0	3	5	10	0	0	10	17	5	9
BURKINA FASO	31	1	8	0	9	35	2	0	0	2	8	0	0
WEST AFRICA	3876	56	116	18	190	5	642	17	15	674	18	160	4
AFRICA, UNSPECIFIED	13	0	0	0	0	0	2	1	0	3	27	0	0
AFRICA REGION UNSPECIFIED	13	0	0	0	0	0	2	1	0	3	27	0	0
AFRICA	14091	247	489	66	802	6	2375	64	34	2473	19	526	4
EAST ASIA, UNSPECIFIED	1	1	0	0	1	100	0	0	0	0	0	0	0
CHINA	28217	129	398	150	677	3	2119	22	21	2162	8	827	3
TAIWAN	22398	52	218	65	335	2	4092	83	27	4202	21	979	5
HONG KONG	7785	4	10	5	19	0	2197	74	21	2292	33	97	1
JAPAN	26167	20	51	56	127	1	5238	221	327	5786	24	621	3
KOREA,DEMOCRATIC PEOPLES RE	41	0	1	0	1	3	3	0	0	3	8	1	3
KOREA, REPUBLIC OF	16740	57	179	23	259	2	2085	72	20	2177	15	428	3
MACAO	136	0	0	0	0	0	42	0	0	42	33	1	1
MONGOLIA	9	0	0	0	0	0	1	0	0	1	11	0	0
EAST ASIA	101494	263	857	299	1419	2	15777	472	416	16665	18	2954	3
SOUTH CENTRAL ASIA,UNSPECIF	12	0	0	0	0	0	0	0	0	0	0	0	0
AFGHANISTAN	75	3	0	0	3	4	7	1	0	8	11	3	4
BANGLADESH	1775	9	10	2	21	1	277	3	2	282	17	12	1
BHUTAN	19	0	1	1	2	11	0	0	0	0	0	0	0
INDIA	21821	64	150	56	270	1	2695	83	40	2818	14	223	1
MALDIVES	2	0	0	0	0	0	0	0	0	0	0	2	100
NEPAL	621	8	10	17	35	6	123	3	1	127	21	22	4
PAKISTAN	5426	40	89	17	146	3	1080	38	6	1124	22	43	1
SRI LANKA	1610	16	26	13	55	4	234	9	3	246	16	18	1
TAJIKISTAN	8	0	0	0	0	0	6	0	0	6	75	0	0

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	FIELD OF STUDY												
		AGRICULTURE					BUSINESS & MANAGEMENT					EDUCATION	
	ST3 TOTAL	AGRIC	AG SCI	CONSERV	TOTAL		BUS/MGT	MKT/DIST	OTHER	TOTAL		TOTAL	
		NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	NUM	% FS	NUM	% FS
SOUTH CENTRAL ASIA	31369	140	286	106	532	2	4422	137	52	4611	16	323	1
SOUTH-EAST ASIA, UNSPECIFIE	4	0	0	0	0	0	1	0	0	1	25	0	0
BRUNEI	13	0	0	0	0	0	0	0	0	0	0	0	0
MYANMAR	242	3	2	1	6	3	24	1	0	25	11	5	2
INDONESIA	6407	69	78	28	175	3	2268	76	16	2360	41	57	1
CAMBODIA	68	0	0	0	0	0	10	1	1	12	18	2	3
LAOS	43	0	0	0	0	0	8	0	0	8	20	0	0
MALAYSIA	8655	17	41	32	90	1	2324	145	10	2479	30	136	2
PHILIPPINES	2433	17	37	8	62	3	425	21	3	449	20	69	3
SINGAPORE	3214	5	9	3	17	1	948	49	6	1003	34	52	2
THAILAND	4856	13	48	9	70	2	1683	74	4	1761	40	143	3
VIETNAM	321	0	0	0	0	0	41	1	4	46	16	9	3
SOUTH-EAST ASIA	26256	124	215	81	420	2	7732	368	44	8144	33	473	2
BAHRAIN	201	0	0	0	0	0	46	3	0	49	26	3	2
CYPRUS	1125	1	6	1	8	1	308	22	0	330	32	30	3
IRAN	3023	6	32	4	42	2	183	9	6	198	7	59	2
IRAQ	268	5	6	1	12	5	18	0	0	18	7	5	2
ISRAEL	1895	0	6	6	12	1	239	4	2	245	15	33	2
JORDAN	2469	4	20	0	24	1	375	18	4	397	17	42	2
KUWAIT	1161	6	3	0	9	1	161	5	1	167	16	13	1
LEBANON	1906	6	11	2	19	1	304	8	2	314	18	33	2
OMAN	260	0	2	2	4	2	40	0	1	41	18	6	3
QATAR	285	0	0	0	0	0	51	0	0	51	19	10	4
SAUDI ARABIA	2543	17	21	2	40	2	355	3	2	360	15	111	5
SYRIA	660	0	4	1	5	1	86	4	0	90	14	5	1
TURKEY	3053	12	28	7	47	2	742	28	1	771	27	62	2
UNITED ARAB EMIRATES	985	0	1	0	1	0	192	4	1	197	22	14	2
YEMEN	312	8	8	0	16	5	41	1	0	42	14	8	3
MIDDLE EAST	20146	65	148	26	239	1	3141	109	20	3270	18	434	2
ASIA	179265	592	1506	512	2610	2	31072	1086	532	32690	20	4184	3
ALBANIA	5	0	0	0	0	0	0	0	0	0	0	0	0
BULGARIA	434	0	1	2	3	1	70	2	0	72	19	6	2
CZECHOSLOVAKIA	271	1	2	1	4	2	34	1	0	35	14	7	3
HUNGARY	478	5	11	3	19	4	83	1	0	84	20	16	4
POLAND	806	19	1	1	21	3	66	7	3	76	10	6	1
ROMANIA	286	0	0	0	0	0	14	1	0	15	6	2	1
AZERBAIJAN	1	0	0	0	0	0	0	0	0	0	0	0	0
U. S. S. R.	1225	2	6	0	8	1	144	0	2	146	13	31	3
BELARUS	1	0	0	0	0	0	0	0	0	0	0	0	0
UKRAINE	18	0	0	0	0	0	6	0	0	6	35	0	0
ESTONIA	17	0	0	0	0	0	1	0	0	1	6	0	0
LATVIA	10	0	0	0	0	0	2	0	0	2	20	0	0
LITHUANIA	19	0	0	0	0	0	0	0	0	0	0	1	5
RUSSIA	74	0	0	0	0	0	7	0	0	7	11	1	2

FIELD OF STUDY

	ST3 TOTAL	AGRICULTURE AGRIC	AG SCI	CONSERV	TOTAL		BUSINESS & MANAGEMENT BUS/MGT	MKT/DIST	OTHER	TOTAL		EDUCATION TOTAL	
		NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	NUM	% FS	NUM	% FS
GEORGIA	5	0	0	0	0	0	1	0	0	1	33	0	0
YUGOSLAVIA	981	5	4	2	11	1	88	10	1	99	11	9	1
CROATIA	2	0	0	0	0	0	0	0	0	0	0	0	0
EASTERN EUROPE	4633	32	25	9	66	2	516	22	6	544	13	79	2
WESTERN EUROPE, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0	0
ANDORRA	4	0	0	0	0	0	1	0	0	1	33	0	0
AUSTRIA	447	1	3	1	5	1	78	8	1	87	21	4	1
BELGIUM	560	5	6	3	14	3	142	6	0	148	28	7	1
DENMARK	532	2	3	0	5	1	89	8	2	99	21	15	3
FINLAND	622	2	2	2	6	1	162	21	0	183	31	19	3
FRANCE	3395	6	23	7	36	1	954	45	3	1002	32	41	1
GERMANY	5039	10	26	14	50	1	864	34	1	899	20	84	2
GIBRALTAR	5	0	0	0	0	0	0	0	0	0	0	1	20
GREECE	2815	4	18	9	31	1	391	20	1	412	16	61	2
VATICAN CITY	4	0	0	0	0	0	0	0	0	0	0	0	0
ICELAND	435	1	4	1	6	1	64	12	1	77	19	15	4
IRELAND	743	2	5	1	8	1	152	9	2	163	23	52	7
ITALY	1536	8	12	0	20	1	231	19	1	251	18	12	1
LIECHTENSTEIN	4	0	0	0	0	0	1	0	0	1	25	0	0
LUXEMBOURG	23	0	0	0	0	0	7	0	0	7	33	1	5
MALTA	33	0	0	0	0	0	10	0	0	10	31	0	0
MONACO	5	0	0	0	0	0	1	0	0	1	20	0	0
NETHERLANDS	1497	7	25	3	35	3	347	28	5	380	28	32	2
NORWAY	1526	2	3	2	7	0	506	32	1	539	37	18	1
PORTUGAL	500	6	7	6	19	4	81	2	0	83	17	15	3
SPAIN	3275	17	53	10	80	3	762	66	9	837	28	44	1
SWEDEN	1481	2	3	4	9	1	382	27	5	414	30	32	2
SWITZERLAND	891	1	3	1	5	1	147	2	2	151	19	18	2
UNITED KINGDOM	5095	8	12	12	32	1	834	34	6	874	19	246	5
ENGLAND	1	0	0	0	0	0	0	0	0	0	0	0	0
WESTERN EUROPE	30469	84	208	76	368	1	6206	373	40	6619	24	717	3
EUROPE	35102	116	233	85	434	1	6722	395	46	7163	22	796	2
CARIBBEAN, UNSPECIFIED	163	2	3	0	5	3	23	0	1	24	15	16	10
ARUBA	22	0	0	0	0	0	7	0	0	7	32	1	5
BAHAMAS	1259	3	4	0	7	1	280	11	19	310	25	68	6
BARBADOS	322	1	2	0	3	1	79	18	0	97	32	14	5
CAYMAN ISLANDS	83	0	0	0	0	0	37	0	1	38	51	5	7
CUBA	54	0	0	0	0	0	10	0	0	10	20	3	6
DOMINICAN REPUBLIC	656	8	18	4	30	5	126	9	3	138	23	19	3
GUADELOUPE	11	0	0	0	0	0	1	0	0	1	9	0	0
HAITI	566	4	17	1	22	4	114	6	43	163	31	5	1
JAMAICA	1794	12	27	2	41	3	440	22	10	472	29	35	2

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	FIELD OF STUDY												
		AGRICULTURE					BUSINESS & MANAGEMENT					EDUCATION	
	ST3 TOTAL	AGRIC	AG SCI	CONSERV	TOTAL		BUS/MGT	MKT/DIST	OTHER	TOTAL		TOTAL	
		NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	NUM	% FS	NUM	% FS
LEEWARD ISLANDS	6	0	0	0	0	0	4	0	0	4	67	0	0
ANTIGUA	116	1	0	0	1	1	38	3	0	41	38	4	4
BRITISH VIRGIN ISLANDS	50	0	2	0	2	4	16	0	0	16	32	6	12
MONTSERRAT	9	0	0	0	0	0	2	0	0	2	22	0	0
ST. KITTS-NEVIS	44	2	1	0	3	7	13	0	0	13	30	2	5
ANGUILLA	6	0	0	0	0	0	1	0	0	1	17	0	0
MARTINIQUE	8	0	0	0	0	0	3	0	0	3	38	1	13
NETHERLANDS ANTILLES	347	0	4	1	5	2	90	8	0	98	31	8	2
TRINIDAD & TOBAGO	1423	4	8	1	13	1	267	16	14	297	23	41	3
TURKS & CAICOS ISLANDS	14	0	0	0	0	0	8	0	0	8	62	0	0
WINDWARD ISLANDS	2	0	0	0	0	0	0	0	0	0	0	1	50
DOMINICA	85	0	2	0	2	2	17	0	1	18	22	5	6
GRENADA	95	2	3	0	5	5	22	2	1	25	27	4	4
ST. LUCIA	52	1	1	0	2	4	20	1	0	21	40	1	2
ST. VINCENT	64	0	3	2	5	8	8	0	4	12	20	2	3
CARIBBEAN	7251	40	95	11	146	2	1626	96	97	1819	27	241	4
BELIZE	195	3	7	1	11	6	47	5	1	53	28	16	8
COSTA RICA	686	30	22	9	61	9	92	4	2	98	15	33	5
EL SALVADOR	611	2	13	3	18	3	92	8	4	104	18	21	4
GUATEMALA	490	11	33	2	46	10	73	6	3	82	17	15	3
HONDURAS	781	22	43	8	73	10	148	15	9	172	23	51	7
MEXICO	4541	38	119	27	184	4	699	42	10	751	18	117	3
NICARAGUA	422	1	3	3	7	2	47	1	2	50	12	8	2
PANAMA	1109	3	12	3	18	2	240	31	8	279	26	24	2
CENTRAL AMERICA	8835	110	252	56	418	5	1438	112	39	1589	19	285	3
SOUTH AMERICA, UNSPECIFIED	5	0	0	0	0	0	3	0	1	4	80	0	0
ARGENTINA	1343	12	31	14	57	5	201	9	5	215	17	36	3
BOLIVIA	606	9	10	2	21	4	118	13	2	133	23	7	1
BRAZIL	2868	12	108	20	140	5	437	29	8	474	18	76	3
CHILE	617	4	8	8	20	3	77	5	2	84	14	23	4
COLOMBIA	1929	12	43	5	60	3	296	14	10	320	18	57	3
ECUADOR	816	9	25	4	38	5	177	16	6	199	26	7	1
FALKLAND ISLANDS	2	0	0	0	0	0	0	0	0	0	0	0	0
FRENCH GUIANA	8	0	0	0	0	0	0	0	0	0	0	1	14
GUYANA	262	7	7	1	15	6	28	2	1	31	13	13	5
PARAGUAY	187	8	4	1	13	7	34	1	0	35	20	4	2
PERU	1688	14	26	5	45	3	383	24	5	412	26	38	2
SURINAME	132	0	4	0	4	3	26	0	1	27	21	4	3
URUGUAY	142	3	11	0	14	11	13	0	0	13	10	4	3
VENEZUELA	2167	8	25	4	37	2	373	19	10	402	20	43	2
SOUTH AMERICA	12772	98	302	64	464	4	2166	132	51	2349	20	313	3
LATIN AMERICA	28858	248	649	131	1028	4	5230	340	187	5757	21	839	3
BERMUDA	362	0	1	0	1	0	75	8	3	86	24	42	12
CANADA	11967	51	85	53	189	2	1430	103	14	1547	14	1352	12
NORTH AMERICAN REGION	12329	51	86	53	190	2	1505	111	17	1633	14	1394	12

FIELD OF STUDY

	ST3 TOTAL	AGRICULTURE					BUSINESS & MANAGEMENT					EDUCATION	
		AGRIC	AG SCI	CONSERV	TOTAL		BUS/MGT	MKT/DIST	OTHER	TOTAL		TOTAL	
		NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	NUM	% FS	NUM	% FS
NORTH AMERICA	12329	51	86	53	190	2	1505	111	17	1633	14	1396	12
AUSTRALIA	1229	5	15	4	24	2	163	11	0	174	16	85	8
NEW ZEALAND	436	8	9	3	20	5	63	3	1	67	16	23	5
AUSTRALIA + NEW ZEALAND	1665	13	24	7	44	3	226	14	1	241	16	108	7
SOLOMON ISLANDS	1	0	0	0	0	0	0	0	0	0	0	0	0
FIJI	45	0	0	0	0	0	11	0	0	11	27	0	0
FRENCH POLYNESIA	18	0	0	0	0	0	4	0	0	4	24	2	12
KIRIBATI	1	0	0	0	0	0	0	0	0	0	0	0	0
MARSHALL ISLANDS	13	0	0	0	0	0	2	0	1	3	23	1	8
NAURU	1	0	0	0	0	0	0	0	0	0	0	0	0
NEW CALEDONIA	5	0	0	0	0	0	2	0	0	2	40	0	0
PAPUA-NEW GUINEA	11	0	0	0	0	0	0	0	0	0	0	1	9
VANUATU	1	0	0	0	0	0	0	0	0	0	0	0	0
NORFOLK ISLAND	1	0	1	0	1	100	0	0	0	0	0	0	0
MICRONESIA, FED STATES OF	491	0	1	0	1	0	75	4	21	100	22	31	7
PALAU	180	0	2	0	2	1	71	0	0	71	40	13	7
TONGA	25	0	0	0	0	0	2	0	0	2	9	1	4
TUVALU	1	0	0	0	0	0	0	0	0	0	0	0	0
WESTERN SAMOA	41	1	0	0	1	3	7	0	0	7	18	1	3
PACIFIC OCEAN ISLAND AREA	835	1	4	0	5	1	174	4	22	200	25	50	6
OCEANIA	2500	14	28	7	49	2	400	18	23	441	19	158	7
STATELESS	99	0	0	0	0	0	10	0	0	10	11	3	3
COUNTRY UNKNOWN	34	0	1	0	1	3	4	0	1	5	15	1	3
STATELESS REGION	133	0	1	0	1	1	14	0	1	15	12	4	3
STATELESS OR UNKNOWN	133	0	1	0	1	1	14	0	1	15	12	4	3
FINAL TOTALS	273321	1271	2994	854	5119	2	47687	2019	842	50348	20	7926	3

ENGINEERING AND RELATED TECHNOLOGIES

(continued on next page)

LOCATION		FIELD OF STUDY: ENGINEERING AND RELATED TECHNOLOGIES										
		GENERAL	CHEMICAL	CIVIL	ELECTR	INDUST	MECHAN	OTHER	ENG TOT	TECHNOL	TOTAL	
		NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% FS
UNKNOWN AREA OF WORLD	1043	30	1	2	17	4	4	11	69	23	92	10
UNKNOWN AREA OF WORLD	1043	30	1	2	17	4	4	11	69	23	92	10
UNKNOWN AREA OF WORLD	1043	30	1	2	17	4	4	11	69	23	92	10
EASTERN AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	1	1	100
DJIBOUTI	16	0	0	0	0	0	0	1	1	1	2	13
BURUNDI	46	0	0	2	1	0	0	0	3	0	3	7
COMOROS	11	0	0	0	2	0	0	0	2	1	3	30
ETHIOPIA	1015	46	3	9	35	2	13	26	134	19	153	16
KENYA	1532	25	6	11	15	3	11	22	93	18	111	8
MADAGASCAR	46	2	0	1	1	0	0	2	6	1	7	16
MALAWI	191	0	0	3	2	0	0	1	6	0	6	3
MAURITIUS	95	6	1	1	7	2	1	2	20	4	24	30
MOZAMBIQUE	39	0	0	0	1	0	0	1	2	2	4	11
REUNION ISLAND	1	0	0	0	0	0	0	0	0	0	0	0
ZIMBABWE	433	10	3	3	13	1	6	4	40	5	45	11
RWANDA	45	0	0	0	0	0	0	0	0	1	1	3
SEYCHELLES	19	0	0	0	0	0	0	0	0	0	0	0
SOMALIA	151	1	1	6	3	1	3	3	18	3	21	15
TANZANIA	409	5	7	14	13	2	5	6	52	6	58	15
UGANDA	365	5	4	3	6	1	3	4	26	3	29	8
ZAMBIA	264	1	2	0	8	0	1	8	20	4	24	10
EASTERN AFRICA	4679	101	27	53	107	12	43	80	423	69	492	11
CENTRAL AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0
ANGOLA	33	1	0	0	0	0	0	7	8	0	8	26
CAMEROON	535	7	10	4	16	2	6	16	61	18	79	15
CENTRAL AFRICAN REPUBLIC	12	0	0	0	0	0	0	0	0	0	0	0
CHAD	10	0	0	3	0	0	0	0	3	0	3	30
CONGO	32	0	0	0	0	0	0	0	0	0	0	0
EQUATORIAL GUINEA	6	0	0	0	0	0	0	0	0	0	0	0
GABON	38	1	1	0	1	0	0	1	4	1	5	16
SAO TOME & PRINCIPE	13	0	0	0	0	0	0	0	0	0	0	0
ZAIRE	270	5	2	0	5	2	4	1	19	5	24	10
CENTRAL AFRICA	958	14	13	7	22	4	10	25	95	24	119	13
ALGERIA	229	12	2	15	13	1	10	19	72	1	73	34
CANARY ISLANDS	1	0	0	0	0	0	0	0	0	0	0	0
EGYPT	1076	46	6	122	64	12	30	84	364	16	380	36
LIBYA	69	2	0	2	4	0	2	5	15	1	16	25
MOROCCO	677	32	4	11	26	3	11	26	113	31	144	23
WESTERN SAHARA	5	0	0	0	0	0	0	0	0	0	0	0
SUDAN	357	14	2	17	7	3	7	10	60	4	64	19
TUNISIA	339	8	8	27	44	10	28	24	149	7	156	50
NORTH AFRICA	2753	114	22	194	158	29	88	168	773	60	833	33
SOUTHERN AFRICA, UNSPECIFIE	2	0	0	0	0	0	0	0	0	0	0	0
BOTSWANA	191	2	2	4	8	0	1	3	20	3	23	12
LESOTHO	40	1	0	0	1	0	0	0	2	0	2	5

FIELD OF STUDY

LOCATION		ENGINEERING AND RELATED TECHNOLOGIES										
		GENERAL	CHEMICAL	CIVIL	ELECTR	INDUST	MECHAN	OTHER	ENG TOT	TECHNOL	TOTAL	
		NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% FS
NAMIBIA	133	1	0	0	2	0	0	3	6	0	6	5
SOUTH AFRICA	1327	15	18	12	22	5	7	18	97	11	108	9
SWAZILAND	119	0	1	4	3	0	1	1	10	2	12	11
SOUTHERN AFRICA	1812	19	21	20	36	5	9	25	135	16	151	9
WEST AFRICA, UNSPECIFIED	11	0	0	0	0	1	0	0	1	2	3	27
CAPE VERDE	39	1	0	0	1	0	0	1	3	3	6	16
BENIN	30	0	0	0	1	0	0	0	1	0	1	3
GAMBIA	147	5	0	1	7	0	0	1	14	3	17	12
GHANA	651	15	9	8	14	2	7	12	67	10	77	12
GUINEA	31	0	0	0	1	0	0	3	4	0	4	13
GUINEA-BISSAU	8	0	0	1	0	0	0	1	2	0	2	29
COTE D'IVOIRE	218	3	1	4	2	1	2	4	17	3	20	10
LIBERIA	292	3	0	3	4	1	1	2	14	8	22	8
MALI	83	1	0	0	3	0	0	0	4	0	4	5
MAURITANIA	33	0	0	0	0	0	0	2	2	1	3	9
NIGER	46	0	0	0	0	0	0	2	2	2	4	9
NIGERIA	1812	22	18	20	46	5	17	30	158	44	202	12
SENEGAL	167	0	3	1	3	1	2	1	11	1	12	8
SIERRA LEONE	218	4	2	4	2	0	1	3	16	3	19	9
TOGO	59	2	0	0	1	0	0	0	3	3	6	10
BURKINA FASO	31	0	0	0	0	0	1	0	1	0	1	4
WEST AFRICA	3876	56	33	42	85	11	31	62	320	83	403	11
AFRICA, UNSPECIFIED	13	0	0	0	0	0	0	0	0	0	0	0
AFRICA REGION UNSPECIFIED	13	0	0	0	0	0	0	0	0	0	0	0
AFRICA	14091	304	116	316	408	61	181	360	1746	252	1998	15
EAST ASIA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0
CHINA	28217	599	355	463	1397	140	898	1342	5194	218	5412	21
TAIWAN	22398	740	236	425	1094	360	696	818	4369	211	4580	22
HONG KONG	7785	242	57	37	498	42	115	176	1167	54	1221	18
JAPAN	26167	180	31	64	108	22	102	200	707	166	873	4
KOREA, DEMOCRATIC PEOPLES RE	41	0	0	1	1	0	0	0	2	0	2	5
KOREA, REPUBLIC OF	16740	208	181	221	530	125	409	562	2236	140	2376	16
MACAO	136	3	0	2	14	0	1	5	25	1	26	20
MONGOLIA	9	0	0	0	0	0	0	3	3	0	3	33
EAST ASIA	101494	1972	860	1213	3642	689	2221	3106	13703	790	14493	16
SOUTH CENTRAL ASIA, UNSPECIF	12	0	0	0	0	0	0	0	0	0	0	0
AFGHANISTAN	75	1	1	7	2	0	2	0	13	1	14	20
BANGLADESH	1775	80	23	97	243	20	53	53	569	27	596	35
BHUTAN	19	1	0	0	3	0	1	0	5	1	6	33
INDIA	21821	572	759	866	2046	784	1266	1415	7708	192	7900	39
MALDIVES	2	0	0	0	0	0	0	0	0	0	0	0
NEPAL	621	18	0	22	17	3	3	19	82	16	98	16
PAKISTAN	5426	301	47	141	709	71	157	226	1652	67	1719	34
SRI LANKA	1610	57	6	48	103	7	36	45	302	30	332	21
TAJIKISTAN	8	0	0	0	0	0	0	0	0	0	0	0

ENGINEERING AND RELATED TECHNOLOGIES

(continued on next page)

LOCATION		FIELD OF STUDY: ENGINEERING AND RELATED TECHNOLOGIES										
		GENERAL	CHEMICAL	CIVIL	ELECTR	INDUST	MECHAN	OTHER	ENG TOT	TECHNOL	TOTAL	
		NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% FS
SOUTH CENTRAL ASIA	31369	1030	836	1181	3123	885	1518	1758	10331	334	10665	36
SOUTH-EAST ASIA, UNSPECIFIE	4	1	0	0	0	0	0	0	1	0	1	25
BRUNEI	13	2	0	0	0	0	0	0	2	1	3	27
MYANMAR	242	11	1	5	6	2	9	3	37	5	42	19
INDONESIA	6407	185	107	75	273	164	103	171	1078	67	1145	20
CAMBODIA	68	7	0	1	1	0	1	1	11	4	15	23
LAOS	43	2	0	1	0	0	0	2	5	2	7	17
MALAYSIA	8655	292	164	194	786	136	466	312	2350	61	2411	29
PHILIPPINES	2433	39	18	22	25	11	8	45	168	34	202	9
SINGAPORE	3214	71	11	12	301	39	83	78	595	17	612	20
THAILAND	4856	93	42	60	123	50	42	81	491	60	551	12
VIETNAM	321	26	1	2	14	0	5	2	50	12	62	22
SOUTH-EAST ASIA	26256	729	344	372	1529	402	717	695	4788	263	5051	21
BAHRAIN	201	9	2	2	10	0	5	7	35	5	40	21
CYPRUS	1125	35	9	19	72	4	26	32	197	13	210	21
IRAN	3023	144	45	70	256	15	69	138	737	56	793	29
IRAQ	268	15	5	14	21	4	12	20	91	5	96	38
ISRAEL	1895	55	10	14	124	10	46	55	314	18	332	20
JORDAN	2469	186	19	87	236	32	95	114	769	75	844	37
KUWAIT	1161	79	20	24	59	9	83	103	377	35	412	38
LEBANON	1906	142	13	98	162	35	73	95	618	51	669	38
OMAN	260	5	1	8	12	2	3	31	62	7	69	30
QATAR	285	20	4	4	29	8	8	27	100	21	121	46
SAUDI ARABIA	2543	92	37	50	95	30	86	86	476	84	560	24
SYRIA	660	33	4	39	70	11	27	40	224	8	232	37
TURKEY	3053	110	33	88	173	67	96	165	732	20	752	26
UNITED ARAB EMIRATES	985	51	8	24	119	12	22	49	285	60	345	39
YEMEN	312	23	4	13	14	4	7	25	90	14	104	35
MIDDLE EAST	20146	999	214	554	1452	243	658	987	5107	472	5579	30
ASIA	179265	4730	2254	3320	9746	2219	5114	6546	33929	1859	35788	22
ALBANIA	5	0	0	0	0	0	0	0	0	0	0	0
BULGARIA	434	2	1	1	5	2	2	8	21	1	22	6
CZECHOSLOVAKIA	271	2	5	4	2	0	3	3	19	2	21	9
HUNGARY	478	2	4	2	9	0	3	9	29	4	33	8
POLAND	806	13	6	4	14	1	11	23	72	6	78	10
ROMANIA	286	5	0	2	5	0	9	10	31	3	34	13
AZERBAIJAN	1	0	0	0	0	0	0	0	0	0	0	0
U. S. S. R.	1225	24	2	3	4	2	9	19	63	11	74	7
BELARUS	1	0	0	0	0	0	0	0	0	0	0	0
UKRAINE	18	0	0	0	0	0	0	0	0	0	0	0
ESTONIA	17	1	1	0	0	0	0	0	2	0	2	13
LATVIA	10	0	0	0	0	0	0	0	0	0	0	0
LITHUANIA	19	0	1	0	0	0	0	0	1	0	1	5
RUSSIA	74	0	0	0	1	0	0	1	2	2	4	7

LOCATION		FIELD OF STUDY: ENGINEERING AND RELATED TECHNOLOGIES										
		GENERAL	CHEMICAL	CIVIL	ELECTR	INDUST	MECHAN	OTHER	ENG TOT	TECHNOL	TOTAL	
		NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% FS
GEORGIA	5	0	0	0	0	0	0	0	0	0	0	0
YUGOSLAVIA	981	27	4	17	73	1	18	28	168	8	176	19
CROATIA	2	0	0	0	0	0	0	0	0	0	0	0
EASTERN EUROPE	4633	76	24	33	113	6	55	101	408	37	445	11
WESTERN EUROPE, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0
ANDORRA	4	0	0	1	0	0	0	0	1	0	1	33
AUSTRIA	447	2	4	4	8	1	6	7	32	3	35	8
BELGIUM	560	5	3	3	14	3	4	18	50	6	56	11
DENMARK	532	3	3	2	7	1	2	3	21	3	24	5
FINLAND	622	7	3	2	8	3	6	6	35	8	43	7
FRANCE	3395	56	42	26	78	2	55	103	362	11	373	12
GERMANY	5039	40	27	26	73	17	56	83	322	37	359	8
GIBRALTAR	5	0	0	0	0	0	0	0	0	0	0	0
GREECE	2815	86	98	60	107	18	71	120	560	30	590	23
VATICAN CITY	4	0	0	0	0	0	0	0	0	0	0	0
ICELAND	435	3	0	5	9	6	5	7	35	11	46	11
IRELAND	743	6	17	4	8	0	3	7	45	9	54	8
ITALY	1536	16	9	8	26	8	19	26	112	34	146	10
LIECHTENSTEIN	4	0	0	0	0	0	0	0	0	0	0	0
LUXEMBOURG	23	0	1	0	0	0	1	1	3	0	3	14
MALTA	33	0	1	0	0	0	0	1	2	1	3	9
MONACO	5	0	0	0	0	0	0	0	0	0	0	0
NETHERLANDS	1497	16	10	5	14	4	9	28	86	7	93	7
NORWAY	1526	14	12	22	78	8	53	35	222	15	237	16
PORTUGAL	500	10	9	6	23	4	3	18	73	5	78	16
SPAIN	3275	52	3	15	77	23	19	100	289	24	313	11
SWEDEN	1481	16	4	7	21	6	14	18	86	11	97	7
SWITZERLAND	891	6	2	7	11	0	8	13	47	7	54	7
UNITED KINGDOM	5095	55	9	20	62	7	28	53	234	44	278	6
ENGLAND	1	0	0	0	0	0	0	0	0	0	0	0
WESTERN EUROPE	30469	393	257	223	624	111	362	647	2617	266	2883	10
EUROPE	35102	469	281	256	737	117	417	748	3025	303	3328	10
CARIBBEAN, UNSPECIFIED	163	0	1	0	6	2	1	2	12	6	18	11
ARUBA	22	0	0	0	0	1	0	0	1	1	2	9
BAHAMAS	1259	14	7	17	25	1	9	9	82	52	134	11
BARBADOS	322	5	1	1	0	0	2	6	15	8	23	8
CAYMAN ISLANDS	83	0	0	1	0	0	2	0	3	0	3	4
CUBA	54	1	0	4	5	4	1	0	15	0	15	29
DOMINICAN REPUBLIC	656	7	5	32	34	21	10	9	118	27	145	24
GUADELOUPE	11	0	0	0	0	0	0	0	0	0	0	0
HAITI	566	10	2	4	11	4	3	2	36	31	67	13
JAMAICA	1794	27	16	8	25	3	14	29	122	40	162	10

LOCATION		FIELD OF STUDY: ENGINEERING AND RELATED TECHNOLOGIES										
		GENERAL	CHEMICAL	CIVIL	ELECTR	INDUST	MECHAN	OTHER	ENG TOT	TECHNOL	TOTAL	
		NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% FS
LEEWARD ISLANDS	6	0	0	0	0	0	0	0	0	0	0	0
ANTIGUA	116	2	2	0	6	0	0	1	11	3	14	13
BRITISH VIRGIN ISLANDS	50	0	0	0	0	0	0	1	1	0	1	2
MONTSERRAT	9	0	0	0	1	0	0	0	1	1	2	22
ST. KITTS-NEVIS	44	0	0	1	3	0	0	0	4	3	7	16
ANGUILLA	6	0	0	0	0	0	0	0	0	0	0	0
MARTINIQUE	8	0	0	0	0	0	0	0	0	0	0	0
NETHERLANDS ANTILLES	347	3	3	2	2	1	2	2	15	3	18	6
TRINIDAD & TOBAGO	1423	18	11	11	33	4	25	27	129	34	163	13
TURKS & CAICOS ISLANDS	14	0	0	0	0	0	0	0	0	0	0	0
WINDWARD ISLANDS	2	0	0	0	0	0	0	0	0	0	0	0
DOMINICA	85	3	1	1	1	0	1	0	7	9	16	20
GRENADA	95	1	2	0	0	0	0	1	4	7	11	12
ST. LUCIA	52	1	1	0	1	0	0	0	3	2	5	10
ST. VINCENT	64	3	0	1	1	0	0	2	7	7	14	23
CARIBBEAN	7251	95	52	83	154	41	70	91	586	234	820	12
BELIZE	195	3	2	4	4	0	0	3	16	13	29	15
COSTA RICA	686	6	7	9	10	16	6	10	64	22	86	13
EL SALVADOR	611	13	2	12	17	25	15	5	89	33	122	21
GUATEMALA	490	14	4	4	6	13	5	8	54	33	87	18
HONDURAS	781	15	15	13	14	27	9	12	105	33	138	18
MEXICO	4541	55	49	74	119	103	88	77	565	59	624	15
NICARAGUA	422	5	2	4	8	4	6	2	31	92	123	30
PANAMA	1109	37	14	24	53	41	26	18	213	57	270	25
CENTRAL AMERICA	8835	148	95	144	231	229	155	135	1137	342	1479	18
SOUTH AMERICA, UNSPECIFIED	5	0	0	0	0	0	0	0	0	0	0	0
ARGENTINA	1343	24	6	26	24	4	17	24	125	10	135	11
BOLIVIA	606	16	4	18	21	16	10	18	103	13	116	20
BRAZIL	2868	35	16	51	52	15	32	118	319	25	344	13
CHILE	617	4	9	11	6	4	8	19	61	12	73	12
COLOMBIA	1929	39	16	50	33	26	17	60	241	42	283	16
ECUADOR	816	21	4	13	23	9	19	16	105	16	121	16
FALKLAND ISLANDS	2	0	0	0	0	0	0	0	0	0	0	0
FRENCH GUIANA	8	0	0	0	0	1	0	0	1	0	1	14
GUYANA	262	8	4	5	10	0	4	4	35	4	39	16
PARAGUAY	187	2	1	6	5	3	3	1	21	3	24	14
PERU	1688	28	18	19	33	34	26	33	191	43	234	15
SURINAME	132	1	2	1	3	1	2	5	15	3	18	14
URUGUAY	142	1	1	1	10	0	0	1	14	1	15	12
VENEZUELA	2167	73	32	32	47	33	36	73	326	53	379	19
SOUTH AMERICA	12772	252	113	233	267	146	174	372	1557	225	1782	15
LATIN AMERICA	28858	495	260	460	652	416	399	598	3280	801	4081	15
BERMUDA	362	1	0	0	5	0	4	1	11	12	23	6
CANADA	11967	73	32	41	134	16	126	220	642	122	764	7
NORTH AMERICAN REGION	12329	74	32	41	139	16	130	221	653	134	787	7

FIELD OF STUDY

LOCATION		ENGINEERING AND RELATED TECHNOLOGIES										
		GENERAL	CHEMICAL	CIVIL	ELECTR	INDUST	MECHAN	OTHER	ENG TOT	TECHNOL	TOTAL	
		NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% FS
NORTH AMERICA	12329	74	32	41	139	16	130	221	653	134	787	7
AUSTRALIA	1229	7	5	4	3	2	4	26	51	12	63	6
NEW ZEALAND	436	5	3	1	0	0	3	3	15	2	17	4
AUSTRALIA + NEW ZEALAND	1665	12	8	5	3	2	7	29	66	14	80	5
SOLOMON ISLANDS	1	0	0	0	0	0	0	0	0	0	0	0
FIJI	45	0	0	0	0	0	0	0	0	1	1	2
FRENCH POLYNESIA	18	0	0	0	1	0	0	0	1	0	1	6
KIRIBATI	1	0	0	0	0	0	0	0	0	0	0	0
MARSHALL ISLANDS	13	0	0	0	0	0	0	0	0	0	0	0
NAURU	1	0	0	0	0	0	0	0	0	0	0	0
NEW CALEDONIA	5	0	0	0	0	0	0	0	0	0	0	0
PAPUA-NEW GUINEA	11	0	0	0	1	0	2	0	3	0	3	27
VANUATU	1	0	0	0	0	0	0	0	0	0	0	0
NORFOLK ISLAND	1	0	0	0	0	0	0	0	0	0	0	0
MICRONESIA, FED STATES OF	491	5	0	1	2	0	1	0	9	22	31	7
PALAU	180	2	0	0	0	0	0	0	2	1	3	2
TONGA	25	2	0	0	1	0	0	0	3	0	3	13
TUVALU	1	0	0	0	0	0	0	0	0	0	0	0
WESTERN SAMOA	41	0	0	0	0	0	0	0	0	0	0	0
PACIFIC OCEAN ISLAND AREA	835	9	0	1	5	0	3	0	18	24	42	5
OCEANIA	2500	21	8	6	8	2	10	29	84	38	122	5
STATELESS	99	4	1	5	4	0	2	8	24	5	29	31
COUNTRY UNKNOWN	34	0	1	0	0	0	0	2	3	0	3	9
STATELESS REGION	133	4	2	5	4	0	2	10	27	5	32	25
STATELESS OR UNKNOWN	133	4	2	5	4	0	2	10	27	5	32	25
******** FINAL TOTALS ****	273321	6127	2954	4406	11711	2835	6257	8523	42813	3415	46228	18

LOCATION		FIELD OF STUDY: FINE & APPLIED ARTS				HEALTH PROFESSIONS							
		ARTS	ARCHIT	TOTAL	% FS	MEDICINE	DENTIST	NURSING	OTHER	SUB TOT	ALLIED	TOTAL	% FS
		NUM	NUM	NUM		NUM	NUM	NUM	NUM	NUM	NUM	NUM	
UNKNOWN AREA OF WORLD	1043	22	2	24	3	9	3	15	10	37	8	45	5
UNKNOWN AREA OF WORLD	1043	22	2	24	3	9	3	15	10	37	8	45	5
UNKNOWN AREA OF WORLD	1043	22	2	24	3	9	3	15	10	37	8	45	5
EASTERN AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0	0
DJIBOUTI	16	0	1	1	6	0	0	0	1	1	1	2	13
BURUNDI	46	0	0	0	0	0	0	0	0	0	0	0	0
COMOROS	11	0	0	0	0	0	0	0	0	0	0	0	0
ETHIOPIA	1015	12	11	23	2	15	2	28	19	64	12	76	8
KENYA	1532	13	16	29	2	8	6	20	38	72	4	76	5
MADAGASCAR	46	1	0	1	2	0	0	0	0	0	1	1	2
MALAWI	191	2	0	2	1	2	1	6	9	18	1	19	11
MAURITIUS	95	1	0	1	1	0	0	0	3	3	0	3	4
MOZAMBIQUE	39	0	0	0	0	1	0	0	2	3	0	3	8
REUNION ISLAND	1	0	0	0	0	0	0	0	1	1	0	1	100
ZIMBABWE	433	16	6	22	5	4	7	4	13	28	7	35	9
RWANDA	45	0	0	0	0	0	0	1	0	1	2	3	8
SEYCHELLES	19	1	0	1	5	0	0	1	0	1	0	1	5
SOMALIA	151	5	1	6	4	3	0	0	1	4	0	4	3
TANZANIA	409	1	4	5	1	4	4	3	12	23	2	25	7
UGANDA	365	8	1	9	3	4	2	13	11	30	5	35	10
ZAMBIA	264	2	1	3	1	1	2	5	8	16	0	16	6
EASTERN AFRICA	4679	82	41	103	2	42	24	81	118	265	35	300	7
CENTRAL AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0	0
ANGOLA	33	1	0	1	3	0	0	0	0	0	0	0	0
CAMEROON	535	7	4	11	2	5	0	22	27	54	9	63	12
CENTRAL AFRICAN REPUBLIC	12	0	0	0	0	0	0	0	0	0	0	0	0
CHAD	18	0	0	0	0	0	0	0	0	0	0	0	0
CONGO	32	1	0	1	3	1	0	0	1	2	0	2	7
EQUATORIAL GUINEA	6	0	0	0	0	0	0	0	0	0	0	0	0
GABON	38	0	0	0	0	0	0	1	0	1	0	1	3
SAO TOME & PRINCIPE	13	0	1	1	8	0	0	0	1	1	0	1	8
ZAIRE	270	3	5	8	3	4	0	1	3	8	2	10	4
CENTRAL AFRICA	958	12	10	22	2	10	0	24	32	66	11	77	9
ALGERIA	229	3	6	9	4	0	0	0	1	1	0	1	0
CANARY ISLANDS	1	0	1	1	100	0	0	0	0	0	0	0	0
EGYPT	1076	23	43	66	7	13	17	5	26	51	5	66	7
LIBYA	69	1	0	1	2	3	0	0	0	3	0	3	5
MOROCCO	677	11	5	16	3	2	0	1	8	11	5	16	3
WESTERN SAHARA	5	0	1	1	33	0	0	0	0	0	0	0	0
SUDAN	357	9	5	14	4	5	0	1	12	18	3	21	6
TUNISIA	339	0	1	1	0	0	0	0	0	0	0	0	0
NORTH AFRICA	2753	47	62	109	4	23	17	7	47	94	13	107	4
SOUTHERN AFRICA, UNSPECIFIE	2	0	0	0	0	0	0	1	0	1	0	1	50
BOTSWANA	191	3	5	8	4	2	2	6	2	12	4	16	9
LESOTHO	40	1	0	1	3	0	0	0	0	0	0	0	0

LOCATION		FIELD OF STUDY: FINE & APPLIED ARTS ARTS NUM	ARCHIT NUM	TOTAL NUM	TOTAL % FS	HEALTH PROFESSIONS MEDICINE NUM	DENTIST NUM	NURSING NUM	OTHER NUM	SUB TOT NUM	ALLIED NUM	TOTAL NUM	TOTAL % FS
NAMIBIA	133	1	0	1	1	2	0	0	2	4	2	6	5
SOUTH AFRICA	1327	43	12	55	4	11	8	16	41	76	10	86	7
SWAZILAND	119	3	2	5	4	0	0	3	2	5	1	6	5
SOUTHERN AFRICA	1812	51	19	70	4	15	10	26	47	98	17	115	7
WEST AFRICA, UNSPECIFIED	11	0	0	0	0	0	0	0	0	0	0	0	0
CAPE VERDE	39	1	0	1	3	0	0	1	0	1	0	1	3
BENIN	30	0	0	0	0	0	0	0	0	0	0	0	0
GAMBIA	147	0	1	1	1	2	0	1	2	5	3	8	6
GHANA	651	16	7	23	4	14	2	11	20	47	3	50	8
GUINEA	31	0	0	0	0	0	0	0	4	4	0	4	13
GUINEA-BISSAU	8	0	0	0	0	0	0	0	1	1	0	1	14
COTE D'IVOIRE	218	1	1	2	1	1	0	2	6	9	4	13	6
LIBERIA	292	2	2	4	1	4	0	10	4	18	2	20	7
MALI	83	2	1	3	4	0	0	0	2	2	0	2	3
MAURITANIA	33	0	0	0	0	0	0	0	0	0	0	0	0
NIGER	46	1	2	3	7	0	0	1	1	2	1	3	7
NIGERIA	1812	29	28	57	3	18	2	82	89	191	28	219	13
SENEGAL	167	0	2	2	1	2	0	2	0	4	1	5	3
SIERRA LEONE	218	2	3	5	2	1	0	13	3	17	2	19	9
TOGO	59	0	1	1	2	0	0	0	2	2	0	2	3
BURKINA FASO	31	0	0	0	0	0	0	0	1	1	0	1	4
WEST AFRICA	3076	54	48	102	3	42	4	123	135	304	44	348	9
AFRICA, UNSPECIFIED	13	1	0	1	9	0	0	0	0	0	0	0	0
AFRICA REGION UNSPECIFIED	13	1	0	1	9	0	0	0	0	0	0	0	0
AFRICA	14091	227	180	407	3	132	55	261	379	827	120	947	7
EAST ASIA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0	0
CHINA	28217	469	209	678	3	196	19	219	521	955	80	1035	4
TAIWAN	22398	930	309	1239	6	116	75	227	279	697	69	766	4
HONG KONG	7785	278	138	416	6	35	21	52	158	266	46	312	5
JAPAN	26167	1789	311	2100	9	42	26	69	126	263	98	361	2
KOREA,DEMOCRATIC PEOPLES RE	41	4	1	5	13	0	1	0	0	1	0	1	3
KOREA, REPUBLIC OF	16740	1060	274	1334	9	58	32	61	176	327	33	360	2
MACAO	136	8	5	13	10	0	0	2	1	3	1	4	3
MONGOLIA	9	1	0	1	11	0	0	0	0	0	0	0	0
EAST ASIA	101494	4539	1267	5786	6	447	174	630	1261	2512	327	2839	3
SOUTH CENTRAL ASIA,UNSPECIF	12	0	0	0	0	0	0	0	0	0	0	0	0
AFGHANISTAN	75	1	1	2	3	6	1	0	0	7	0	7	10
BANGLADESH	1775	9	30	39	2	3	4	4	20	31	9	40	2
BHUTAN	19	0	1	1	6	0	0	1	0	1	1	2	11
INDIA	21821	172	260	432	2	106	21	61	446	634	60	694	3
MALDIVES	2	0	0	0	0	0	0	0	0	0	0	0	0
NEPAL	621	7	5	12	2	2	0	2	2	6	2	8	1
PAKISTAN	5426	62	38	100	2	25	9	9	49	92	19	111	2
SRI LANKA	1610	17	17	34	2	16	2	10	11	39	7	46	3
TAJIKISTAN	8	0	0	0	0	0	0	0	0	0	0	0	0

LOCATION		FIELD OF STUDY: FINE & APPLIED ARTS				HEALTH PROFESSIONS							
		ARTS	ARCHIT	TOTAL	%	MEDICINE	DENTIST	NURSING	OTHER	SUB TOT	ALLIED	TOTAL	%
		NUM	NUM	NUM	FS	NUM	NUM	NUM	NUM	NUM	NUM	NUM	FS
SOUTH CENTRAL ASIA	31369	268	352	620	2	158	37	87	528	810	98	908	3
SOUTH-EAST ASIA, UNSPECIFIE	4	0	0	0	0	0	0	0	0	0	0	0	0
BRUNEI	13	0	0	0	0	0	0	0	1	1	0	1	9
MYANMAR	242	2	1	3	1	4	1	4	4	13	3	16	7
INDONESIA	6407	144	110	254	4	15	3	11	28	57	7	64	1
CAMBODIA	68	4	0	4	6	2	0	3	0	5	0	5	8
LAOS	43	1	0	1	2	0	0	1	0	1	0	1	2
MALAYSIA	8655	200	201	401	5	17	5	62	92	176	22	198	2
PHILIPPINES	2433	66	26	92	4	17	24	166	56	263	51	314	14
SINGAPORE	3214	126	34	160	5	13	4	6	28	51	7	58	2
THAILAND	4856	151	71	222	5	15	24	35	55	129	12	141	3
VIETNAM	321	3	0	3	1	1	2	7	17	27	3	30	10
SOUTH-EAST ASIA	26256	697	443	1140	5	84	63	295	281	723	105	828	3
BAHRAIN	201	2	2	4	2	0	2	2	1	5	2	7	4
CYPRUS	1125	45	18	63	6	2	5	2	20	29	4	33	3
IRAN	3023	36	31	67	2	79	139	31	116	365	70	435	16
IRAQ	268	7	6	13	5	0	2	3	3	8	1	9	4
ISRAEL	1895	111	46	157	9	18	8	5	38	69	11	80	5
JORDAN	2469	23	24	47	2	13	5	20	29	67	37	104	5
KUWAIT	1161	10	11	21	2	8	14	4	27	53	9	62	6
LEBANON	1906	29	42	71	4	15	15	8	35	73	24	97	5
OMAN	260	3	5	8	4	0	0	0	1	1	2	3	1
QATAR	285	1	6	7	3	0	1	1	2	4	14	18	7
SAUDI ARABIA	2543	16	52	68	3	10	33	2	35	80	16	96	4
SYRIA	660	6	17	23	4	5	18	3	9	35	8	43	7
TURKEY	3053	52	38	90	3	10	9	2	10	31	8	39	1
UNITED ARAB EMIRATES	985	1	5	6	1	1	3	0	8	12	5	17	2
YEMEN	312	3	5	8	3	1	2	0	2	5	2	7	2
MIDDLE EAST	20146	345	308	653	4	162	256	83	336	837	213	1050	6
ASIA	179265	5849	2350	8199	5	851	530	1095	2406	4882	743	5625	3
ALBANIA	5	0	0	0	0	0	0	0	0	0	0	0	0
BULGARIA	434	18	6	24	4	6	1	1	1	9	0	9	2
CZECHOSLOVAKIA	271	8	0	8	3	1	0	2	0	3	0	3	1
HUNGARY	478	14	2	16	4	1	0	1	2	4	0	4	1
POLAND	806	58	7	65	9	5	1	18	10	34	6	40	5
ROMANIA	286	11	1	12	5	4	0	2	3	9	1	10	4
AZERBAIJAN	1	0	0	0	0	0	0	0	0	0	0	0	0
U. S. S. R.	1225	52	5	57	5	1	3	1	6	11	2	13	1
BELARUS	1	0	0	0	0	0	0	0	0	0	0	0	0
UKRAINE	18	0	0	0	0	0	0	0	0	0	2	2	12
ESTONIA	17	0	0	0	0	1	0	0	1	2	0	2	13
LATVIA	10	1	0	1	10	0	0	0	0	0	0	0	0
LITHUANIA	19	3	0	3	16	0	0	1	0	1	0	1	5
RUSSIA	74	0	0	0	0	0	1	0	0	1	0	1	2

LOCATION		FIELD OF STUDY: FINE & APPLIED ARTS				HEALTH PROFESSIONS							
		ARTS	ARCHIT	TOTAL		MEDICINE	DENTIST	NURSING	OTHER	SUB TOT	ALLIED	TOTAL	
		NUM	NUM	NUM	% FS	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% FS
GEORGIA	5	0	0	0	0	0	0	0	0	0	0	0	0
YUGOSLAVIA	981	54	20	74	8	7	2	6	6	21	5	26	3
CROATIA	2	0	0	0	0	0	0	0	0	0	0	0	0
EASTERN EUROPE	4633	219	41	260	6	26	8	32	29	95	16	111	3
WESTERN EUROPE, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0	0
ANDORRA	4	0	0	0	0	0	0	0	0	0	0	0	0
AUSTRIA	447	36	10	46	11	2	0	0	12	14	0	14	3
BELGIUM	560	18	8	26	5	2	2	3	8	15	3	18	3
DENMARK	532	35	7	42	9	0	2	4	13	19	2	21	4
FINLAND	622	36	7	43	7	2	0	7	8	17	1	18	3
FRANCE	3395	133	23	156	5	7	12	7	46	72	7	79	3
GERMANY	5039	289	55	344	8	21	13	12	39	85	19	104	2
GIBRALTAR	5	0	0	0	0	0	1	0	0	1	0	1	20
GREECE	2815	99	64	163	6	13	38	4	22	77	10	87	3
VATICAN CITY	4	1	0	1	50	0	0	0	0	0	0	0	0
ICELAND	435	53	15	68	16	0	0	7	5	12	4	16	4
IRELAND	743	26	7	33	5	6	8	8	10	32	10	42	6
ITALY	1536	85	19	104	7	8	27	6	13	54	3	57	4
LIECHTENSTEIN	4	0	0	0	0	0	0	0	0	0	0	0	0
LUXEMBOURG	23	2	1	3	14	0	0	1	1	2	0	2	10
MALTA	33	0	1	1	3	0	0	1	0	1	0	1	3
MONACO	5	0	0	0	0	0	0	0	0	0	0	0	0
NETHERLANDS	1497	69	9	78	6	8	8	7	15	38	10	48	3
NORWAY	1526	83	18	101	7	4	0	6	35	45	3	48	3
PORTUGAL	500	26	10	36	7	6	2	0	7	15	9	24	5
SPAIN	3275	104	33	137	5	13	12	6	23	54	10	64	2
SWEDEN	1481	86	31	117	8	6	1	6	6	19	10	29	2
SWITZERLAND	891	98	30	128	16	4	1	1	16	22	2	24	3
UNITED KINGDOM	5095	289	74	363	8	26	23	43	55	147	25	172	4
ENGLAND	1	0	0	0	0	0	0	0	0	0	0	0	0
WESTERN EUROPE	30469	1568	422	1990	7	128	150	129	334	741	128	869	3
EUROPE	35102	1787	463	2250	7	154	158	161	363	836	144	980	3
CARIBBEAN, UNSPECIFIED	163	4	3	7	4	1	0	5	11	17	1	18	11
ARUBA	22	1	0	1	5	0	2	0	0	2	0	2	9
BAHAMAS	1259	31	36	67	5	22	14	21	21	78	29	107	9
BARBADOS	322	18	11	29	10	7	2	1	6	16	3	19	6
CAYMAN ISLANDS	83	0	2	2	3	0	0	1	0	1	1	2	3
CUBA	54	1	0	1	2	0	0	2	0	2	0	2	4
DOMINICAN REPUBLIC	656	26	8	34	6	2	2	5	3	12	7	19	3
GUADELOUPE	11	1	3	4	36	0	0	0	0	0	0	0	0
HAITI	566	15	11	26	5	5	1	17	13	36	9	45	9
JAMAICA	1794	30	36	66	4	16	20	51	30	117	30	147	9

LOCATION		FIELD OF STUDY: FINE & APPLIED ARTS				HEALTH PROFESSIONS							
		ARTS	ARCHIT	TOTAL		MEDICINE	DENTIST	NURSING	OTHER	SUB TOT	ALLIED	TOTAL	
		NUM	NUM	NUM	% FS	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% FS
LEEWARD ISLANDS	6	0	0	0	0	0	0	0	0	0	0	0	0
ANTIGUA	116	3	0	3	3	1	1	2	0	4	2	6	6
BRITISH VIRGIN ISLANDS	50	1	3	4	8	1	0	3	0	4	0	4	8
MONTSERRAT	9	0	0	0	0	0	0	1	0	1	0	1	11
ST. KITTS-NEVIS	44	0	1	1	2	0	0	2	1	3	0	3	7
ANGUILLA	6	1	0	1	17	1	0	0	0	1	0	1	17
MARTINIQUE	8	1	0	1	13	0	0	0	0	0	0	0	0
NETHERLANDS ANTILLES	347	14	7	21	7	5	1	2	11	19	6	25	8
TRINIDAD & TOBAGO	1423	33	10	43	3	27	13	36	25	101	38	139	11
TURKS & CAICOS ISLANDS	14	0	0	0	0	0	0	0	0	0	0	0	0
WINDWARD ISLANDS	2	0	0	0	0	0	0	0	0	0	0	0	0
DOMINICA	85	0	0	0	0	2	1	3	2	8	0	8	10
GRENADA	95	2	0	2	2	0	0	0	2	2	1	3	3
ST. LUCIA	52	1	1	2	4	1	1	0	1	3	0	3	6
ST. VINCENT	64	1	6	7	11	0	0	1	1	2	0	2	3
CARIBBEAN	7251	184	138	322	5	91	58	153	127	429	127	556	8
BELIZE	195	1	1	2	1	0	1	4	2	7	2	9	5
COSTA RICA	686	34	12	46	7	0	2	3	2	7	2	9	1
EL SALVADOR	611	15	16	31	5	0	1	5	0	6	6	12	2
GUATEMALA	490	9	7	16	3	0	5	6	3	14	3	17	4
HONDURAS	781	21	19	40	5	5	0	2	5	12	7	19	3
MEXICO	4541	163	23	186	5	17	16	18	34	85	15	100	2
NICARAGUA	422	7	4	11	3	2	2	2	3	9	2	11	3
PANAMA	1109	26	19	45	4	2	4	8	7	21	9	30	3
CENTRAL AMERICA	8835	276	101	377	5	26	31	48	56	161	46	207	3
SOUTH AMERICA, UNSPECIFIED	5	0	0	0	0	0	0	0	0	0	0	0	0
ARGENTINA	1343	83	31	114	9	7	0	3	10	20	8	28	2
BOLIVIA	606	10	5	15	3	1	0	1	7	9	4	13	2
BRAZIL	2868	188	25	213	8	22	25	27	42	116	15	131	5
CHILE	617	33	10	43	7	9	0	3	4	16	0	16	3
COLOMBIA	1929	67	32	99	5	14	24	14	27	79	21	100	5
ECUADOR	816	35	12	47	6	0	0	6	7	13	6	19	2
FALKLAND ISLANDS	2	0	0	0	0	0	0	0	1	1	0	1	50
FRENCH GUIANA	8	0	0	0	0	0	0	0	1	1	0	1	14
GUYANA	262	5	3	8	3	3	3	8	5	19	1	20	8
PARAGUAY	187	3	12	15	8	1	0	0	0	1	1	2	1
PERU	1688	46	17	63	4	7	6	14	9	36	10	46	3
SURINAME	132	6	2	8	6	2	0	3	5	10	3	13	10
URUGUAY	142	8	2	10	8	2	2	0	2	6	1	7	6
VENEZUELA	2167	97	26	123	6	5	8	10	14	37	16	53	3
SOUTH AMERICA	12772	581	177	758	6	73	68	89	134	364	86	450	4
LATIN AMERICA	28858	1041	416	1457	5	190	157	290	317	954	259	1213	5
BERMUDA	362	20	20	40	11	7	3	3	6	19	13	32	9
CANADA	11967	697	217	914	8	159	235	242	659	1295	256	1551	14
NORTH AMERICAN REGION	12329	717	237	954	8	166	238	245	665	1314	269	1583	14

LOCATION		FIELD OF STUDY: FINE & APPLIED ARTS				HEALTH PROFESSIONS							
		ARTS	ARCHIT	TOTAL	% FS	MEDICINE	DENTIST	NURSING	OTHER	SUB TOT	ALLIED	TOTAL	% FS
		NUM	NUM	NUM		NUM	NUM	NUM	NUM	NUM	NUM	NUM	
NORTH AMERICA	12329	717	237	954	8	166	238	245	665	1314	269	1583	14
AUSTRALIA	1229	95	19	114	10	9	8	10	34	61	8	69	6
NEW ZEALAND	436	34	4	38	9	3	1	2	10	16	6	22	5
AUSTRALIA + NEW ZEALAND	1665	129	23	152	10	12	9	12	44	77	14	91	6
SOLUMON ISLANDS	1	0	0	0	0	0	0	0	0	0	0	0	0
FIJI	45	1	1	2	5	2	0	0	0	2	0	2	5
FRENCH POLYNESIA	18	0	0	0	0	0	0	0	0	0	0	0	0
KIRIBATI	1	0	0	0	0	0	0	0	0	0	0	0	0
MARSHALL ISLANDS	13	0	0	0	0	0	0	1	0	1	0	1	8
NAURU	1	0	0	0	0	0	0	0	0	0	0	0	0
NEW CALEDONIA	5	0	0	0	0	0	0	0	0	0	0	0	0
PAPUA-NEW GUINEA	11	0	0	0	0	0	0	0	1	1	0	1	9
VANUATU	1	0	0	0	0	0	0	0	0	0	0	0	0
NORFOLK ISLAND	1	0	0	0	0	0	0	0	0	0	0	0	0
MICRONESIA, FED STATES OF	491	3	1	4	1	2	0	3	1	6	1	7	2
PALAU	180	4	0	4	2	1	1	6	1	9	0	9	5
TONGA	25	3	0	3	13	0	0	0	0	0	0	0	0
TUVALU	1	0	0	0	0	0	1	0	0	1	0	1	100
WESTERN SAMOA	41	1	0	1	3	0	0	0	0	0	0	0	0
PACIFIC OCEAN ISLAND AREA	835	12	2	14	2	5	2	10	3	20	1	21	3
OCEANIA	2500	141	25	166	7	17	11	22	47	97	15	112	5
STATELESS	99	2	0	2	2	0	1	0	1	2	2	4	4
COUNTRY UNKNOWN	34	2	0	2	6	0	1	0	0	1	1	2	6
STATELESS REGION	133	4	0	4	3	0	2	0	1	3	3	6	5
STATELESS OR UNKNOWN	133	4	0	4	3	0	2	0	1	3	3	6	5
******** FINAL TOTALS ****	273321	9788	3673	13461	5	1519	1154	2089	4188	8950	1561	10511	4

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LOCATION		FIELD OF STUDY: HUMANITIES						MATH & COMPUTER SCIENCES			
		LETTERS	FRN LANG	THEOLOGY	PHIL/REL	TOTAL		COMP SCI	MATH	TOTAL	
		NUM	NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	% FS
UNKNOWN AREA OF WORLD	1043	19	7	5	4	35	4	63	3	66	7
UNKNOWN AREA OF WORLD	1043	19	7	5	4	35	4	63	3	66	7
UNKNOWN AREA OF WORLD	1043	19	7	5	4	35	4	63	3	66	7
EASTERN AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0
DJIBOUTI	16	0	0	0	0	0	0	1	0	1	6
BURUNDI	46	4	2	0	0	6	14	1	0	1	2
COMOROS	11	1	0	0	0	1	10	0	0	0	0
ETHIOPIA	1015	8	4	11	3	26	3	68	24	92	10
KENYA	1532	20	6	62	9	97	7	88	15	103	7
MADAGASCAR	46	0	3	4	0	7	16	3	2	5	11
MALAWI	191	3	1	2	0	6	3	7	4	11	6
MAURITIUS	95	2	1	0	0	3	4	7	2	9	11
MOZAMBIQUE	39	0	1	0	0	1	3	1	0	1	3
REUNION ISLAND	1	0	0	0	0	0	0	0	0	0	0
ZIMBABWE	433	1	0	24	3	28	7	25	4	29	7
RWANDA	45	1	1	1	0	3	8	1	1	2	5
SEYCHELLES	19	0	0	0	0	0	0	0	0	0	0
SOMALIA	151	2	1	0	1	4	3	5	1	6	4
TANZANIA	409	5	3	16	4	28	7	23	1	24	6
UGANDA	365	3	2	29	5	39	11	17	11	28	8
ZAMBIA	264	1	1	6	0	8	3	13	6	19	8
EASTERN AFRICA	4679	51	26	155	25	257	6	260	71	331	7
CENTRAL AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0
ANGOLA	33	0	0	0	0	0	0	1	0	1	3
CAMEROON	535	7	6	7	0	20	4	26	5	31	6
CENTRAL AFRICAN REPUBLIC	12	0	0	0	1	1	8	0	0	0	0
CHAD	18	0	0	1	0	1	10	0	0	0	0
CONGO	32	2	0	0	0	2	7	1	0	1	3
EQUATORIAL GUINEA	6	0	0	0	0	0	0	1	0	1	17
GABON	38	1	0	0	0	1	3	5	0	5	16
SAO TOME & PRINCIPE	13	0	0	0	0	0	0	0	0	0	0
ZAIRE	270	4	6	15	1	26	10	8	4	12	5
CENTRAL AFRICA	958	14	12	23	2	51	6	42	9	51	6
ALGERIA	229	1	6	0	1	8	4	16	10	26	12
CANARY ISLANDS	1	0	0	0	0	0	0	0	0	0	0
EGYPT	1076	13	3	12	0	28	3	65	17	82	8
LIBYA	69	0	1	0	0	1	2	4	5	9	14
MOROCCO	677	17	7	0	0	24	4	68	16	84	13
WESTERN SAHARA	5	0	0	0	0	0	0	0	0	0	0
SUDAN	357	4	3	2	1	10	3	32	3	35	11
TUNISIA	339	8	10	0	0	18	6	14	16	30	10
NORTH AFRICA	2753	43	30	14	2	89	3	199	67	266	10
SOUTHERN AFRICA, UNSPECIFIE	2	0	0	1	0	1	50	0	0	0	0
BOTSWANA	191	3	0	0	1	4	2	4	1	5	3
LESOTHO	40	1	0	2	1	4	10	2	0	2	5

LOCATION		FIELD OF STUDY: HUMANITIES						MATH & COMPUTER SCIENCES			
		LETTERS	FRN LANG	THEOLOGY	PHIL/REL	TOTAL		COMP SCI	MATH	TOTAL	
		NUM	NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	% FS
NAMIBIA	133	1	0	3	0	4	3	9	6	15	11
SOUTH AFRICA	1327	24	9	60	11	104	8	48	29	77	6
SWAZILAND	119	1	0	1	1	3	3	4	0	4	4
SOUTHERN AFRICA	1812	30	9	67	14	120	7	67	36	103	6
WEST AFRICA, UNSPECIFIED	11	0	0	0	1	1	9	1	0	1	9
CAPE VERDE	39	0	0	1	0	1	3	1	0	1	3
BENIN	30	0	1	0	0	1	3	2	0	2	7
GAMBIA	147	1	0	1	1	3	2	6	3	9	6
GHANA	651	7	12	39	7	65	10	21	14	35	6
GUINEA	31	0	0	0	0	0	0	2	0	2	7
GUINEA-BISSAU	8	0	0	0	0	0	0	0	1	1	14
COTE D'IVOIRE	218	5	3	0	1	9	4	21	7	28	14
LIBERIA	292	2	2	21	3	28	10	24	2	26	9
MALI	83	3	0	0	0	3	4	3	1	4	5
MAURITANIA	33	1	1	0	0	2	6	2	2	4	13
NIGER	46	1	2	0	0	3	7	4	1	5	11
NIGERIA	1912	17	5	86	22	130	8	72	23	95	6
SENEGAL	167	3	2	0	0	5	3	8	1	9	6
SIERRA LEONE	218	2	1	10	4	17	8	15	3	18	8
TOGO	59	4	1	0	0	5	9	0	2	2	3
BURKINA FASO	31	1	1	1	0	3	12	1	0	1	4
WEST AFRICA	3876	47	31	159	39	276	8	183	60	243	7
AFRICA, UNSPECIFIED	13	0	0	1	0	1	9	0	0	0	0
AFRICA REGION UNSPECIFIED	13	0	0	1	0	1	9	0	0	0	0
AFRICA	14091	185	108	419	82	794	6	751	243	994	7
EAST ASIA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0
CHINA	28217	430	142	53	63	688	3	1813	1378	3191	12
TAIWAN	22398	262	103	91	34	490	2	2108	534	2642	13
HONG KONG	7785	48	12	63	9	132	2	684	163	847	12
JAPAN	26167	858	325	111	67	1361	6	614	264	878	4
KOREA,DEMOCRATIC PEOPLES RE	41	1	1	0	1	3	8	6	0	6	16
KOREA, REPUBLIC OF	16740	351	89	686	110	1236	8	842	394	1236	8
MACAO	136	0	0	0	1	1	1	12	3	15	12
MONGOLIA	9	0	0	0	0	0	0	0	1	1	11
EAST ASIA	101494	1950	672	1004	285	3911	4	6079	2737	8816	10
SOUTH CENTRAL ASIA,UNSPECIF	12	0	0	0	0	0	0	11	1	12	100
AFGHANISTAN	75	2	0	0	0	2	3	3	1	4	6
BANGLADESH	1775	21	2	1	2	26	2	210	44	254	15
BHUTAN	19	0	0	0	0	0	0	1	0	1	6
INDIA	21821	170	48	131	27	376	2	3126	385	3511	17
MALDIVES	2	0	0	0	0	0	0	0	0	0	0
NEPAL	621	5	0	1	2	8	1	84	19	103	17
PAKISTAN	5426	25	3	6	2	36	1	621	61	682	14
SRI LANKA	1610	13	1	10	2	26	2	175	62	237	15
TAJIKISTAN	8	0	0	0	0	0	0	0	0	0	0

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LOCATION		FIELD OF STUDY: HUMANITIES						MATH & COMPUTER SCIENCES			
		LETTERS	FRN LANG	THEOLOGY	PHIL/REL	TOTAL		COMP SCI	MATH	TOTAL	
		NUM	NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	% FS
SOUTH CENTRAL ASIA	31369	236	54	149	35	474	2	4231	573	4804	16
SOUTH-EAST ASIA, UNSPECIFIE	4	1	0	0	0	1	25	0	0	0	0
BRUNEI	13	0	0	0	0	0	0	2	0	2	18
MYANMAR	242	2	1	27	1	31	14	37	3	40	18
INDONESIA	6407	26	6	53	2	87	2	349	59	408	7
CAMBODIA	68	3	1	0	0	4	6	1	0	1	2
LAOS	43	1	0	2	0	3	7	1	1	2	5
MALAYSIA	8655	65	10	40	4	119	1	652	203	855	10
PHILIPPINES	2433	21	4	72	10	107	5	164	59	223	10
SINGAPORE	3214	36	6	43	3	88	3	247	39	286	10
THAILAND	4856	32	9	9	3	53	1	306	26	332	7
VIETNAM	321	19	1	10	1	31	11	14	2	16	6
SOUTH-EAST ASIA	26256	206	38	256	24	524	2	1773	392	2165	9
BAHRAIN	201	2	0	0	1	3	2	18	3	21	11
CYPRUS	1125	11	3	2	1	17	2	64	20	84	8
IRAN	3023	18	7	2	4	31	1	177	90	267	10
IRAQ	268	7	1	1	1	10	4	11	10	21	8
ISRAEL	1895	22	3	18	12	55	3	108	38	146	9
JORDAN	2469	26	6	4	2	38	2	233	60	293	13
KUWAIT	1161	7	3	0	1	11	1	117	15	132	12
LEBANON	1906	8	13	7	4	32	2	142	37	179	10
OMAN	260	1	1	0	1	3	1	18	1	19	8
QATAR	285	2	0	0	0	2	1	11	5	16	6
SAUDI ARABIA	2543	47	7	0	1	55	2	328	34	362	15
SYRIA	660	10	3	2	0	15	2	76	12	88	14
TURKEY	3053	30	9	0	10	49	2	119	63	182	6
UNITED ARAB EMIRATES	985	13	0	0	0	13	1	76	4	80	9
YEMEN	312	5	1	0	0	6	2	33	3	36	12
MIDDLE EAST	20146	209	57	36	38	340	2	1531	395	1926	10
ASIA	179265	2601	821	1445	382	5249	3	13614	4097	17711	11
ALBANIA	5	0	0	0	0	0	0	3	1	4	80
BULGARIA	434	15	4	2	2	23	6	12	30	42	11
CZECHOSLOVAKIA	271	10	3	7	0	20	8	13	13	26	11
HUNGARY	478	25	12	3	1	41	10	10	39	49	11
POLAND	806	32	15	24	7	78	10	42	44	86	12
ROMANIA	286	3	0	5	0	8	3	20	35	55	21
AZERBAIJAN	1	0	0	0	0	0	0	0	0	0	0
U. S. S. R.	1225	49	32	12	3	96	9	35	50	85	8
BELARUS	1	0	0	0	0	0	0	0	0	0	0
UKRAINE	18	1	0	1	0	2	12	0	0	0	0
ESTONIA	17	1	0	5	0	6	38	0	0	0	0
LATVIA	10	0	0	5	0	5	50	0	0	0	0
LITHUANIA	19	1	0	2	0	3	16	0	1	1	5
RUSSIA	74	2	2	0	1	5	8	2	1	3	5

LOCATION		FIELD OF STUDY: HUMANITIES						MATH & COMPUTER SCIENCES			
		LETTERS	FRN LANG	THEOLOGY	PHIL/REL	TOTAL		COMP SCI	MATH	TOTAL	
		NUM	NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	% FS
GEORGIA	5	2	0	0	0	2	67	0	0	0	0
YUGOSLAVIA	981	17	14	2	6	39	4	61	53	114	13
CROATIA	2	0	0	0	0	0	0	0	0	0	0
EASTERN EUROPE	4633	158	82	68	20	328	8	198	267	465	11
WESTERN EUROPE, UNSPECIFIED	1	0	1	0	0	1	100	0	0	0	0
ANDORRA	4	0	0	0	0	0	0	0	0	0	0
AUSTRIA	447	22	11	6	6	45	11	14	4	18	4
BELGIUM	560	19	21	3	0	43	8	11	4	15	3
DENMARK	532	7	10	3	1	21	4	17	16	33	7
FINLAND	622	10	7	2	2	21	4	17	5	22	4
FRANCE	3395	79	221	8	9	317	10	60	30	90	3
GERMANY	5039	208	208	71	31	518	11	127	129	256	6
GIBRALTAR	5	0	0	0	0	0	0	0	0	0	0
GREECE	2815	59	17	3	12	91	4	213	68	281	11
VATICAN CITY	4	0	0	0	0	0	0	0	0	0	0
ICELAND	435	8	0	3	6	17	4	17	11	28	7
IRELAND	743	31	6	53	3	93	13	13	18	31	4
ITALY	1536	51	68	13	15	147	11	40	55	95	7
LIECHTENSTEIN	4	0	1	0	0	1	25	0	0	0	0
LUXEMBOURG	23	0	0	0	0	0	0	1	0	1	5
MALTA	33	0	0	0	2	2	6	0	0	0	0
MONACO	5	0	0	0	0	0	0	0	0	0	0
NETHERLANDS	1497	20	28	8	9	65	5	39	14	53	4
NORWAY	1526	9	6	5	5	25	2	97	7	104	7
PORTUGAL	500	10	7	6	1	24	5	20	14	34	7
SPAIN	3275	86	189	9	7	291	10	100	30	130	4
SWEDEN	1481	25	16	7	7	55	4	36	7	43	3
SWITZERLAND	891	17	19	15	4	55	7	28	10	38	5
UNITED KINGDOM	5095	190	55	88	36	369	8	105	65	170	4
ENGLAND	1	0	0	0	0	0	0	0	0	0	0
WESTERN EUROPE	30469	851	891	303	156	2201	8	955	487	1442	5
EUROPE	35102	1009	973	371	176	2529	8	1153	754	1907	6
CARIBBEAN, UNSPECIFIED	163	0	2	6	0	8	5	4	1	5	3
ARUBA	22	0	0	0	0	0	0	2	0	2	9
BAHAMAS	1259	24	1	18	0	43	3	48	5	53	4
BARBADOS	322	3	3	3	1	10	3	14	0	14	5
CAYMAN ISLANDS	83	1	1	1	0	3	4	0	0	0	0
CUBA	54	1	0	2	0	3	6	0	0	0	0
DOMINICAN REPUBLIC	656	2	7	10	2	21	3	26	5	31	5
GUADELOUPE	11	0	0	1	0	1	9	1	0	1	9
HAITI	566	5	4	11	0	20	4	13	3	16	3
JAMAICA	1794	8	5	20	6	39	2	59	10	69	4

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LOCATION		FIELD OF STUDY: HUMANITIES						MATH & COMPUTER SCIENCES			
		LETTERS	FRN LANG	THEOLOGY	PHIL/REL	TOTAL		COMP SCI	MATH	TOTAL	
		NUM	NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	% FS
LEEWARD ISLANDS	6	1	0	0	0	1	17	0	0	0	0
ANTIGUA	116	0	0	2	0	2	2	9	1	10	9
BRITISH VIRGIN ISLANDS	50	0	0	0	0	0	0	1	0	1	2
MONTSERRAT	9	1	0	0	0	1	11	0	0	0	0
ST. KITTS-NEVIS	44	0	0	0	0	0	0	5	0	5	12
ANGUILLA	6	0	0	0	0	0	0	0	0	0	0
MARTINIQUE	8	0	0	0	1	1	13	1	0	1	13
NETHERLANDS ANTILLES	347	4	3	1	0	8	2	17	4	21	7
TRINIDAD & TOBAGO	1423	6	6	6	2	20	2	66	15	81	6
TURKS & CAICOS ISLANDS	14	0	0	0	0	0	0	2	0	2	15
WINDWARD ISLANDS	2	0	0	0	0	0	0	0	0	0	0
DOMINICA	85	1	0	0	0	1	1	7	7	14	17
GRENADA	95	1	2	1	0	4	4	4	1	5	5
ST. LUCIA	52	1	0	1	0	2	4	1	1	2	4
ST. VINCENT	64	0	0	0	0	0	0	0	3	3	5
CARIBBEAN	7251	59	34	83	12	188	3	280	56	336	5
BELIZE	195	4	0	2	3	9	5	3	2	5	3
COSTA RICA	686	13	12	7	0	32	5	23	4	27	4
EL SALVADOR	611	8	8	14	0	30	5	24	5	29	5
GUATEMALA	490	5	6	10	1	22	5	18	5	23	5
HONDURAS	781	4	6	3	1	14	2	49	6	55	7
MEXICO	4541	70	62	57	34	223	5	211	77	288	7
NICARAGUA	422	3	6	9	1	19	5	41	3	44	11
PANAMA	1109	12	6	3	1	22	2	44	10	54	5
CENTRAL AMERICA	8835	119	106	105	41	371	4	413	112	525	6
SOUTH AMERICA, UNSPECIFIED	5	0	0	0	0	0	0	0	0	0	0
ARGENTINA	1343	25	45	22	4	96	8	30	26	56	4
BOLIVIA	606	6	8	5	1	20	3	44	7	51	9
BRAZIL	2868	39	27	62	7	135	5	119	43	162	6
CHILE	617	15	33	10	1	59	10	15	23	38	6
COLOMBIA	1929	21	42	26	8	97	5	53	28	81	4
ECUADOR	816	8	5	10	1	24	3	24	10	34	4
FALKLAND ISLANDS	2	0	0	0	0	0	0	0	0	0	0
FRENCH GUIANA	8	0	0	0	0	0	0	1	1	2	29
GUYANA	262	1	0	3	0	4	2	16	3	19	8
PARAGUAY	187	3	3	6	1	13	7	8	0	8	5
PERU	1688	14	37	16	3	70	4	71	11	82	5
SURINAME	132	0	2	0	0	2	2	12	1	13	10
URUGUAY	142	1	6	2	3	12	10	4	2	6	5
VENEZUELA	2167	19	18	16	7	60	3	91	23	114	6
SOUTH AMERICA	12772	152	226	178	36	592	5	488	178	666	6
LATIN AMERICA	28858	330	366	366	89	1151	4	1181	346	1527	6
BERMUDA	362	7	2	7	1	17	5	15	2	17	5
CANADA	11967	239	63	325	98	725	6	118	105	223	2
NORTH AMERICAN REGION	12329	246	65	332	99	742	6	133	107	240	2

LOCATION		FIELD OF STUDY: HUMANITIES LETTERS NUM	FRN LANG NUM	THEOLOGY NUM	PHIL/REL NUM	TOTAL NUM	TOTAL % FS	MATH & COMPUTER SCIENCES: COMP SCI NUM	MATH NUM	TOTAL NUM	TOTAL % FS
NORTH AMERICA	12329	246	65	332	99	742	6	133	107	240	2
AUSTRALIA	1229	20	7	69	13	109	10	22	20	42	4
NEW ZEALAND	436	8	0	26	9	43	10	10	13	23	5
AUSTRALIA + NEW ZEALAND	1665	28	7	95	22	152	10	32	33	65	4
SOLOMON ISLANDS	1	0	0	0	0	0	0	0	0	0	0
FIJI	45	0	0	1	0	1	2	4	0	4	10
FRENCH POLYNESIA	18	1	1	0	0	2	12	3	1	4	24
KIRIBATI	1	0	0	0	0	0	0	0	0	0	0
MARSHALL ISLANDS	13	0	0	0	0	0	0	1	0	1	8
NAURU	1	0	0	0	0	0	0	0	0	0	0
NEW CALEDONIA	5	0	0	0	0	0	0	0	1	1	20
PAPUA-NEW GUINEA	11	0	0	3	0	3	27	0	1	1	9
VANUATU	1	0	0	0	0	0	0	0	0	0	0
NORFOLK ISLAND	1	0	0	0	0	0	0	0	0	0	0
MICRONESIA, FED STATES OF	491	2	0	0	2	4	1	48	1	49	11
PALAU	180	1	1	2	0	4	2	6	3	9	5
TONGA	25	0	0	0	0	0	0	1	0	1	4
TUVALU	1	0	0	0	0	0	0	0	0	0	0
WESTERN SAMOA	41	0	0	7	4	11	28	3	1	4	10
PACIFIC OCEAN ISLAND AREA	835	4	2	13	6	25	3	66	8	74	9
OCEANIA	2500	32	9	108	28	177	8	98	41	139	6
STATELESS	99	4	1	0	0	5	5	10	1	11	12
COUNTRY UNKNOWN	34	1	0	0	0	1	3	1	1	2	6
STATELESS REGION	133	5	1	0	0	6	5	11	2	13	10
STATELESS OR UNKNOWN	133	5	1	0	0	6	5	11	2	13	10
******** FINAL TOTALS ****	273321	4427	2350	3046	860	10683	4	17004	5593	22597	9

B.1 FIELD OF STUDY BY COUNTRY OF ORIGIN

PHYSICAL AND LIFE SCIENCES • SOCIAL SCIENCES *(continued on next page)*

LOCATION		FIELD OF STUDY: PHYSICAL & LIFE SCIENCES					FIELD OF STUDY: SOCIAL SCIENCE				
		PHYS SCI	LIFE SCI	TECHNOL	TOTAL		AREA STU	SOC SCI	PSYCH	PUBL AFF	TOTAL
		NUM	NUM	NUM	NUM	% FOS	NUM	NUM	NUM	NUM	NUM % FOS
UNKNOWN AREA OF WORLD	1043	13	22	4	39	4	1	46	12	7	66 7
UNKNOWN AREA OF WORLD	1043	13	22	4	39	4	1	46	12	7	66 7
UNKNOWN AREA OF WORLD	1043	13	22	4	39	4	1	46	12	7	66 7
EASTERN AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0 0
DJIBOUTI	16	1	0	0	1	6	0	1	0	0	1 6
BURUNDI	46	1	0	0	1	2	0	6	0	0	6 14
COMOROS	11	0	2	0	2	20	0	1	0	0	1 10
ETHIOPIA	1015	53	47	8	108	11	1	54	5	8	68 7
KENYA	1532	38	57	2	97	7	4	116	26	29	175 12
MADAGASCAR	46	2	1	0	3	7	1	0	1	1	3 7
MALAWI	191	5	10	1	16	9	0	17	5	8	30 17
MAURITIUS	95	3	3	0	6	6	0	5	0	0	5 6
MOZAMBIQUE	39	0	1	1	2	6	1	6	1	0	8 22
REUNION ISLAND	1	0	0	0	0	0	0	0	0	0	0 0
ZIMBABWE	433	13	19	0	32	8	0	23	5	5	33 8
RWANDA	45	0	2	0	2	5	0	2	0	1	3 8
SEYCHELLES	19	1	0	0	1	5	0	0	1	0	1 5
SOMALIA	151	11	7	0	18	13	0	22	1	4	27 19
TANZANIA	409	12	21	3	36	9	1	29	4	13	47 12
UGANDA	365	10	17	0	27	8	1	37	1	5	44 13
ZAMBIA	264	6	7	0	13	5	1	23	4	3	31 12
EASTERN AFRICA	4679	156	194	15	365	8	10	342	54	77	483 11
CENTRAL AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	1	0	0	1 100
ANGOLA	33	5	0	0	5	16	0	1	0	0	1 3
CAMEROON	535	26	24	0	50	10	0	33	1	10	44 9
CENTRAL AFRICAN REPUBLIC .	12	0	1	0	1	8	0	1	0	0	1 8
CHAD	18	0	0	0	0	0	0	0	0	1	1 10
CONGO	32	1	0	0	1	3	0	1	0	0	3 10
EQUATORIAL GUINEA	6	0	0	0	0	0	0	2	0	0	2 33
GABON	38	0	1	0	1	3	0	2	0	0	2 6
SAO TOME & PRINCIPE	13	0	0	0	0	0	0	0	0	0	0 0
ZAIRE	270	4	15	0	19	8	0	24	1	8	33 13
CENTRAL AFRICA	958	36	41	0	77	9	0	67	2	19	88 10
ALGERIA	229	29	5	0	34	16	0	19	1	0	20 9
CANARY ISLANDS	1	0	0	0	0	0	0	0	0	0	0 0
EGYPT	1076	31	46	0	77	8	3	41	7	12	63 6
LIBYA	69	8	1	0	9	14	3	2	1	0	6 9
MOROCCO	677	21	20	1	42	7	3	19	1	22	45 7
WESTERN SAHARA	5	0	0	0	0	0	0	1	1	0	2 67
SUDAN	357	13	24	0	37	11	2	47	0	2	51 15
TUNISIA	339	6	3	0	9	3	3	11	1	5	20 6
NORTH AFRICA	2753	108	99	1	208	8	14	140	12	41	207 8
SOUTHERN AFRICA, UNSPECIFIE	2	0	0	0	0	0	0	0	0	0	0 0
BOTSWANA	191	3	6	0	9	5	0	11	3	6	20 11
LESOTHO	40	2	3	0	5	13	1	3	0	1	5 13

LOCATION		FIELD OF STUDY: PHYSICAL & LIFE SCIENCES — PHYS SCI NUM	LIFE SCI NUM	TECHNOL NUM	TOTAL NUM	TOTAL % FOS	SOCIAL SCIENCE — AREA STU NUM	SOC SCI NUM	PSYCH NUM	PUBL AFF NUM	TOTAL NUM	TOTAL % FOS
NAMIBIA	133	2	9	2	13	10	1	22	6	6	35	27
SOUTH AFRICA	1327	68	51	0	119	10	4	107	52	36	199	16
SWAZILAND	119	6	8	0	14	12	1	12	1	1	15	13
SOUTHERN AFRICA	1812	81	77	2	160	9	7	155	62	50	274	16
WEST AFRICA, UNSPECIFIED	11	0	0	0	0	0	0	1	0	0	1	9
CAPE VERDE	39	0	1	0	1	3	0	1	2	1	4	11
BENIN	30	0	1	0	1	3	1	8	0	1	10	33
GAMBIA	147	2	6	0	8	6	0	14	0	2	16	11
GHANA	651	34	55	1	90	14	2	67	12	13	94	15
GUINEA	31	2	1	0	3	10	0	7	0	0	7	23
GUINEA-BISSAU	8	0	0	0	0	0	0	0	0	1	1	14
COTE D'IVOIRE	218	4	14	0	18	9	0	26	1	1	28	14
LIBERIA	292	12	18	1	31	11	0	25	6	4	35	13
MALI	83	2	2	0	4	5	0	12	3	2	17	22
MAURITANIA	33	1	0	0	1	3	0	5	0	2	7	22
NIGER	46	1	1	0	2	5	1	1	0	0	2	5
NIGERIA	1812	52	64	4	120	7	4	135	31	58	228	13
SENEGAL	167	0	6	0	6	4	1	8	0	2	11	7
SIERRA LEONE	218	8	13	0	21	10	2	24	2	6	34	16
TOGO	59	4	1	0	5	9	1	8	0	1	10	17
BURKINA FASO	31	2	1	0	3	12	0	4	0	2	6	23
WEST AFRICA	3876	124	184	6	314	9	12	346	57	96	511	14
AFRICA, UNSPECIFIED	13	2	0	0	2	18	0	0	0	0	0	0
AFRICA REGION UNSPECIFIED	13	2	0	0	2	18	0	0	0	0	0	0
AFRICA	14091	507	595	24	1126	8	43	1050	187	283	1563	12
EAST ASIA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0
CHINA	28217	4673	2821	63	7557	29	111	1419	184	123	1837	7
TAIWAN	22398	898	936	48	1882	9	60	681	170	157	1068	5
HONG KONG	7785	214	169	9	392	6	10	262	99	48	419	6
JAPAN	26167	342	304	20	666	3	166	2355	478	187	3186	13
KOREA,DEMOCRATIC PEOPLES RE	41	0	3	0	3	8	0	5	1	0	6	16
KOREA, REPUBLIC OF	16740	840	733	19	1592	11	85	1147	142	157	1531	10
MACAO	136	1	4	0	5	4	1	7	0	0	8	6
MONGOLIA	9	1	0	0	1	11	0	1	0	0	1	11
EAST ASIA	101494	6969	4970	159	12098	13	433	5877	1074	672	8056	9
SOUTH CENTRAL ASIA,UNSPECIF	12	0	0	0	0	0	0	0	0	0	0	0
AFGHANISTAN	75	2	3	0	5	7	0	11	0	2	13	18
BANGLADESH	1775	102	39	1	142	8	2	118	11	9	140	8
BHUTAN	19	1	0	0	1	6	0	2	0	1	3	17
INDIA	21821	1066	904	24	1994	10	14	762	126	90	992	5
MALDIVES	2	0	0	0	0	0	0	0	0	0	0	0
NEPAL	621	19	28	0	47	8	0	53	4	12	69	12
PAKISTAN	5426	165	150	5	320	6	13	227	20	24	284	6
SRI LANKA	1610	165	111	1	277	18	8	108	12	7	135	9
TAJIKISTAN	8	0	1	0	1	13	0	1	0	0	1	13

LOCATION		FIELD OF STUDY										
		PHYSICAL & LIFE SCIENCES					SOCIAL SCIENCE					
		PHYS SCI	LIFE SCI	TECHNOL	TOTAL		AREA STU	SOC SCI	PSYCH	PUBL AFF	TOTAL	
		NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	NUM	NUM	% FOS
SOUTH CENTRAL ASIA	31369	1520	1236	31	2787	10	37	1282	173	145	1637	6
SOUTH-EAST ASIA, UNSPECIFIE	4	0	0	0	0	0	0	0	0	0	0	0
BRUNEI	13	0	0	0	0	0	0	2	0	1	3	27
MYANMAR	242	7	19	1	27	12	0	9	2	1	12	5
INDONESIA	6407	103	92	10	205	4	8	241	27	32	308	5
CAMBODIA	68	3	4	0	7	11	0	5	1	0	6	9
LAOS	43	0	2	0	2	5	0	0	0	0	0	0
MALAYSIA	8655	190	129	26	345	4	5	309	79	56	449	5
PHILIPPINES	2433	122	118	4	244	11	4	130	43	22	199	9
SINGAPORE	3214	43	57	2	102	3	1	136	61	16	214	7
THAILAND	4856	63	57	8	128	3	8	235	24	56	323	7
VIETNAM	321	5	9	0	14	5	0	2	4	3	9	3
SOUTH-EAST ASIA	26256	536	487	51	1074	4	26	1069	241	187	1523	6
BAHRAIN	201	7	4	0	11	6	2	8	0	3	13	7
CYPRUS	1125	26	25	3	54	5	2	65	11	10	88	9
IRAN	3023	181	227	11	419	15	7	96	36	13	152	6
IRAQ	268	13	17	0	30	12	1	8	1	1	11	4
ISRAEL	1895	62	50	4	116	7	17	109	79	25	230	14
JORDAN	2469	65	57	7	129	6	4	101	5	12	122	5
KUWAIT	1161	10	18	1	29	3	1	26	7	9	43	4
LEBANON	1906	40	63	6	109	6	2	63	5	3	73	4
OMAN	260	22	3	1	26	11	1	16	1	2	20	9
QATAR	289	0	4	0	4	2	0	10	0	2	12	5
SAUDI ARABIA	2543	77	32	5	114	5	4	168	11	81	264	11
SYRIA	660	17	15	1	33	5	0	19	1	2	22	4
TURKEY	3053	114	69	4	187	7	17	273	28	15	333	12
UNITED ARAB EMIRATES	985	11	6	4	21	2	1	28	1	5	35	4
YEMEN	312	17	3	0	20	7	0	17	0	8	25	8
MIDDLE EAST	20146	662	593	47	1302	7	59	1007	186	191	1443	8
ASIA	179265	9687	7286	288	17261	10	555	9235	1674	1195	12659	8
ALBANIA	5	0	0	0	0	0	0	0	0	0	0	0
BULGARIA	434	31	15	0	46	12	2	39	6	2	49	13
CZECHOSLOVAKIA	271	35	11	0	46	19	1	18	4	1	24	10
HUNGARY	478	47	14	0	61	14	1	27	5	7	40	9
POLAND	806	76	30	0	106	14	3	36	12	3	54	7
ROMANIA	286	27	13	1	41	16	3	8	3	1	15	6
AZERBAIJAN	1	0	0	0	0	0	0	1	0	0	1	100
U. S. S. R.	1225	131	40	1	172	16	5	110	15	5	135	12
BELARUS	1	0	0	0	0	0	0	0	0	0	0	0
UKRAINE	18	1	0	0	1	6	0	0	0	0	0	0
ESTONIA	17	0	0	0	0	0	0	2	0	0	2	13
LATVIA	10	0	0	0	0	0	0	0	1	0	1	10
LITHUANIA	19	2	1	0	3	16	1	2	2	0	5	26
RUSSIA	74	6	3	1	10	16	0	5	3	0	8	13

FIELD OF STUDY

LOCATION		PHYSICAL & LIFE SCIENCES					SOCIAL SCIENCE					
		PHYS SCI	LIFE SCI	TECHNOL	TOTAL		AREA STU	SOC SCI	PSYCH	PUBL AFF	TOTAL	
		NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	NUM	NUM	% FOS
GEORGIA	5	0	0	0	0	0	0	0	0	0	0	0
YUGOSLAVIA	981	74	54	2	130	14	5	35	12	6	58	6
CROATIA	2	0	0	0	0	0	0	1	0	0	1	50
EASTERN EUROPE	4633	430	181	5	616	15	21	284	63	25	393	9
WESTERN EUROPE, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0
ANDORRA	4	0	0	0	0	0	0	0	0	0	0	0
AUSTRIA	447	16	16	0	32	8	2	41	14	1	58	14
BELGIUM	560	21	18	1	40	8	3	61	9	4	77	15
DENMARK	532	17	13	0	30	6	1	51	7	1	60	12
FINLAND	622	22	5	0	27	5	1	53	13	2	69	12
FRANCE	3395	145	56	0	201	6	12	211	26	15	264	8
GERMANY	5039	360	191	5	556	12	45	429	87	39	600	13
GIBRALTAR	5	0	1	0	1	20	0	0	0	0	0	0
GREECE	2815	218	103	4	325	13	2	192	36	10	240	9
VATICAN CITY	4	0	0	0	0	0	0	0	0	0	0	0
ICELAND	435	20	10	3	33	8	1	29	13	5	48	12
IRELAND	743	37	26	1	64	9	1	40	19	8	68	10
ITALY	1536	79	37	1	117	8	12	151	26	11	200	14
LIECHTENSTEIN	4	0	0	0	0	0	0	0	0	0	0	0
LUXEMBOURG	23	0	0	0	0	0	0	1	0	0	1	5
MALTA	33	1	3	0	4	13	0	3	0	0	3	9
MONACO	5	0	0	0	0	0	0	0	0	0	0	0
NETHERLANDS	1497	78	52	1	131	10	8	120	24	18	170	12
NORWAY	1526	20	16	0	36	2	1	80	19	7	107	7
PORTUGAL	500	24	23	1	48	10	3	47	11	5	66	14
SPAIN	3275	65	88	3	156	5	30	239	38	11	318	11
SWEDEN	1481	25	25	3	53	4	3	122	17	6	148	11
SWITZERLAND	891	27	24	1	52	7	9	53	16	2	80	10
UNITED KINGDOM	5095	200	183	3	386	8	68	508	119	53	748	16
ENGLAND	1	0	0	0	0	0	0	0	0	0	0	0
WESTERN EUROPE	30469	1375	890	27	2292	8	202	2431	494	198	3325	12
EUROPE	35102	1805	1071	32	2908	9	223	2715	557	223	3718	12
CARIBBEAN, UNSPECIFIED	163	1	2	0	3	2	2	2	5	2	11	7
ARUBA	22	0	2	0	2	9	0	1	0	1	2	9
BAHAMAS	1259	31	68	0	99	8	0	57	23	23	103	8
BARBADOS	322	5	23	0	28	9	0	10	15	8	33	11
CAYMAN ISLANDS	83	2	2	0	4	5	0	2	2	5	9	12
CUBA	54	2	2	2	6	12	0	3	1	0	4	8
DOMINICAN REPUBLIC	656	13	11	1	25	4	1	20	6	6	33	5
GUADELOUPE	11	1	0	0	1	9	0	0	0	0	0	0
HAITI	566	9	21	1	31	6	0	23	2	2	27	5
JAMAICA	1794	34	66	3	103	6	1	67	28	20	116	7

LOCATION		FIELD OF STUDY: PHYSICAL & LIFE SCIENCES					SOCIAL SCIENCE					
		PHYS SCI	LIFE SCI	TECHNOL	TOTAL	% FS	AREA STU	SOC SCI	PSYCH	PUBL AFF	TOTAL	% FOS
		NUM	NUM	NUM	NUM		NUM	NUM	NUM	NUM	NUM	
LEEWARD ISLANDS	6	0	0	0	0	0	0	0	0	0	0	0
ANTIGUA	116	4	2	0	6	6	0	3	3	1	7	6
BRITISH VIRGIN ISLANDS	50	1	2	0	3	6	0	2	2	1	5	10
MONTSERRAT	9	0	0	0	0	0	0	2	0	0	2	22
ST. KITTS-NEVIS	44	0	2	0	2	5	0	2	1	0	3	7
ANGUILLA	6	1	0	0	1	17	0	1	1	0	2	33
MARTINIQUE	8	0	0	0	0	0	0	1	0	0	1	13
NETHERLANDS ANTILLES	347	4	12	0	16	5	0	15	14	0	29	9
TRINIDAD & TOBAGO	1423	43	60	3	106	8	2	68	39	26	135	11
TURKS & CAICOS ISLANDS	14	0	2	0	2	15	0	0	0	0	0	0
WINDWARD ISLANDS	2	0	1	0	1	50	0	0	0	0	0	0
DOMINICA	85	2	1	0	3	4	0	2	2	1	5	6
GRENADA	95	5	3	0	8	9	0	6	2	1	9	10
ST. LUCIA	52	0	0	0	0	0	0	6	1	1	8	15
ST. VINCENT	64	0	2	0	2	3	1	4	3	1	9	15
CARIBBEAN	7251	158	284	10	452	7	7	297	150	99	553	8
BELIZE	195	9	9	0	18	9	0	13	7	2	22	11
COSTA RICA	686	39	19	2	60	9	1	68	19	7	95	14
EL SALVADOR	611	12	11	3	26	4	3	36	16	5	60	10
GUATEMALA	490	9	33	0	42	9	2	32	7	3	44	9
HONDURAS	781	5	22	2	29	4	0	40	14	3	57	8
MEXICO	4541	145	164	2	311	8	15	195	69	27	306	7
NICARAGUA	422	18	17	0	35	9	2	31	5	2	40	10
PANAMA	1109	14	26	1	41	4	5	47	23	5	80	8
CENTRAL AMERICA	8835	251	301	10	562	7	28	462	160	54	704	9
SOUTH AMERICA, UNSPECIFIED	5	1	0	0	1	20	0	0	0	0	0	0
ARGENTINA	1343	65	69	1	135	11	4	117	28	6	155	12
BOLIVIA	606	9	12	0	21	4	2	64	5	6	77	13
BRAZIL	2868	80	126	5	211	8	12	173	48	10	243	9
CHILE	617	33	53	2	88	15	2	49	13	4	68	11
COLOMBIA	1929	62	68	3	133	7	7	84	31	8	130	7
ECUADOR	816	18	25	0	43	6	6	59	8	3	76	10
FALKLAND ISLANDS	2	0	0	0	0	0	0	0	0	0	0	0
FRENCH GUIANA	8	0	0	0	0	0	0	1	0	0	1	14
GUYANA	262	8	13	0	21	9	3	22	6	5	36	15
PARAGUAY	187	2	4	0	6	3	1	11	0	2	14	8
PERU	1688	46	64	1	111	7	20	145	26	8	199	13
SURINAME	132	0	7	0	7	5	0	3	1	1	5	4
URUGUAY	142	3	6	0	9	7	4	14	4	1	23	19
VENEZUELA	2167	63	63	9	135	7	10	85	18	13	126	6
SOUTH AMERICA	12772	390	510	21	921	8	71	827	188	67	1153	10
LATIN AMERICA	28858	799	1095	41	1935	7	106	1586	498	220	2410	9
BERMUDA	362	0	9	2	11	3	0	16	14	10	40	11
CANADA	11967	343	403	22	768	7	38	625	399	183	1245	11
NORTH AMERICAN REGION	12329	343	412	24	779	7	38	641	413	193	1285	11

FIELD OF STUDY

LOCATION		PHYSICAL & LIFE SCIENCES						SOCIAL SCIENCE				
		PHYS SCI	LIFE SCI	TECHNOL	TOTAL		AREA STU	SOC SCI	PSYCH	PUBL AFF	TOTAL	
		NUM	NUM	NUM	NUM	% FS	NUM	NUM	NUM	NUM	NUM	% FOS
NORTH AMERICA	12329	343	412	24	779	7	38	641	413	193	1285	11
AUSTRALIA	1229	33	33	0	66	6	1	108	32	12	153	14
NEW ZEALAND	436	18	15	1	34	8	1	42	18	18	79	19
AUSTRALIA + NEW ZEALAND	1665	51	48	1	100	7	2	150	50	30	232	15
SOLOMON ISLANDS	1	0	0	0	0	0	0	0	0	0	0	0
FIJI	45	0	1	0	1	2	0	3	0	0	3	7
FRENCH POLYNESIA	18	0	0	0	0	0	0	3	0	0	3	18
KIRIBATI	1	0	0	0	0	0	0	0	0	0	0	0
MARSHALL ISLANDS	13	0	1	0	1	8	0	3	0	0	3	23
NAURU	1	0	0	0	0	0	0	0	0	1	1	100
NEW CALEDONIA	5	0	0	0	0	0	0	0	0	0	0	0
PAPUA-NEW GUINEA	11	0	0	0	0	0	0	2	0	0	2	18
VANUATU	1	0	0	0	0	0	0	0	0	0	0	0
NORFOLK ISLAND	1	0	0	0	0	0	0	0	0	0	0	0
MICRONESIA, FED STATES OF	491	1	4	0	5	1	0	17	2	22	41	9
PALAU	180	1	7	0	8	4	0	20	1	16	37	21
TONGA	25	3	0	0	3	13	0	2	0	0	2	9
TUVALU	1	0	0	0	0	0	0	0	0	0	0	0
WESTERN SAMOA	41	0	1	0	1	3	0	2	0	0	2	5
PACIFIC OCEAN ISLAND AREA	835	5	14	0	19	2	0	52	3	39	94	12
OCEANIA	2500	56	62	1	119	5	2	202	53	69	326	14
STATELESS	99	6	4	1	11	12	0	1	0	2	3	3
COUNTRY UNKNOWN	34	0	1	0	1	3	0	4	1	3	8	24
STATELESS REGION	133	6	5	1	12	10	0	5	1	5	11	9
STATELESS OR UNKNOWN	133	6	5	1	12	10	0	5	1	5	11	9
******** FINAL TOTALS ****	273321	13216	10548	415	24179	10	968	15480	3395	2195	22038	9

OTHER FIELDS OF STUDY

(continued on next page)

LOCATION		FIELD OF STUDY: OTHER FIELDS OF STUDY									
		COMMUNIC	HOME EC	LAW	LIB/GEN	LIBRARY	MILITARY	MULTDISC	PERS SOC	TOTAL	
		NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% OTH
UNKNOWN AREA OF WORLD	1043	7	8	14	65	0	0	6	4	104	12
UNKNOWN AREA OF WORLD	1043	7	8	14	65	0	0	6	4	104	12
UNKNOWN AREA OF WORLD	1043	7	8	14	65	0	0	6	4	104	12
EASTERN AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0
DJIBOUTI	16	0	0	0	0	0	0	0	0	0	0
BURUNDI	46	1	0	0	1	0	0	0	0	2	5
COMOROS	11	0	0	0	0	0	0	0	0	0	0
ETHIOPIA	1015	6	3	3	72	0	0	4	5	93	10
KENYA	1532	29	20	13	49	5	0	11	5	132	9
MADAGASCAR	46	2	0	0	1	0	0	1	0	4	9
MALAWI	191	9	0	2	4	0	0	2	1	18	10
MAURITIUS	95	1	0	0	3	0	0	2	0	6	8
MOZAMBIQUE	39	0	0	0	0	0	0	0	0	0	0
REUNION ISLAND	1	0	0	0	0	0	0	0	0	0	0
ZIMBABWE	433	6	5	2	15	1	0	1	1	31	8
RWANDA	45	0	1	0	1	0	0	0	0	2	5
SEYCHELLES	19	0	0	0	3	0	0	1	0	4	21
SOMALIA	151	1	2	0	2	0	0	2	1	8	6
TANZANIA	409	5	2	1	11	0	0	1	1	21	5
UGANDA	365	7	4	2	11	0	0	4	0	28	8
ZAMBIA	264	3	1	2	11	0	0	1	0	18	7
EASTERN AFRICA	4679	70	38	25	184	6	0	30	14	367	8
CENTRAL AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0
ANGOLA	33	1	0	0	1	0	0	0	0	2	6
CAMEROON	535	12	3	6	10	1	0	0	0	32	6
CENTRAL AFRICAN REPUBLIC	12	0	0	0	1	0	0	0	0	1	8
CHAD	18	1	0	0	1	0	0	0	0	2	20
CONGO	32	0	0	0	2	0	0	0	0	2	7
EQUATORIAL GUINEA	6	0	0	0	0	0	0	0	0	0	0
GABON	38	0	0	0	0	0	0	0	0	0	0
SAO TOME & PRINCIPE	13	0	0	0	0	0	0	0	0	0	0
ZAIRE	270	1	2	2	13	0	0	0	0	18	7
CENTRAL AFRICA	958	15	5	8	28	1	0	0	0	57	6
ALGERIA	229	3	0	0	2	0	0	0	0	5	2
CANARY ISLANDS	1	0	0	0	0	0	0	0	0	0	0
EGYPT	1076	9	4	0	21	1	0	6	3	44	4
LIBYA	69	1	0	0	0	0	0	0	0	1	2
MOROCCO	677	5	0	2	20	4	0	4	1	36	6
WESTERN SAHARA	5	0	0	0	0	0	0	0	0	0	0
SUDAN	357	5	5	2	6	0	0	2	2	22	7
TUNISIA	339	3	1	0	3	0	0	1	0	8	3
NORTH AFRICA	2753	26	10	4	52	5	0	13	6	116	5
SOUTHERN AFRICA, UNSPECIFIE	2	0	0	0	0	0	0	0	0	0	0
BOTSWANA	191	4	3	2	3	1	0	1	0	14	8
LESOTHO	40	0	0	0	1	0	0	0	0	1	3

FIELD OF STUDY

LOCATION		OTHER FIELDS OF STUDY									
		COMMUNIC	HOME EC	LAW	LIB/GEN	LIBRARY	MILITARY	MULTDISC	PERS SOC	TOTAL	
		NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% OTH
NAMIBIA	133	4	0	0	5	0	0	0	0	9	7
SOUTH AFRICA	1327	45	6	11	40	1	0	8	6	117	9
SWAZILAND	119	3	3	1	4	1	0	1	1	14	12
SOUTHERN AFRICA	1812	56	12	14	53	3	0	10	7	155	9
WEST AFRICA, UNSPECIFIED	11	0	0	0	0	0	0	0	0	0	0
CAPE VERDE	39	0	0	0	6	0	0	0	0	6	16
BENIN	30	1	1	0	1	0	0	0	0	3	10
GAMBIA	147	3	0	1	6	0	0	1	0	11	8
GHANA	651	8	1	8	23	0	0	3	1	44	7
GUINEA	31	0	0	0	1	0	0	0	0	1	3
GUINEA-BISSAU	8	0	0	0	0	0	0	0	0	0	0
COTE D'IVOIRE	218	3	1	0	6	0	0	2	0	12	6
LIBERIA	292	6	0	4	15	0	0	0	0	25	9
MALI	83	0	0	0	3	0	0	0	0	3	4
MAURITANIA	33	0	0	0	0	0	0	0	0	0	0
NIGER	46	0	0	1	1	0	0	0	0	2	5
NIGERIA	1812	37	20	18	77	4	0	9	3	168	10
SENEGAL	167	2	0	0	5	0	0	1	0	8	5
SIERRA LEONE	218	6	3	2	9	0	0	3	1	24	11
TOGO	59	2	1	0	2	0	0	0	0	5	9
BURKINA FASO	31	0	0	0	0	0	0	0	0	0	0
WEST AFRICA	3876	68	27	36	155	4	0	19	5	312	8
AFRICA, UNSPECIFIED	13	0	0	0	1	0	0	0	0	1	9
AFRICA REGION UNSPECIFIED	13	0	0	0	1	0	0	0	0	1	9
AFRICA	14091	235	92	85	473	19	0	72	32	1008	8
EAST ASIA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0
CHINA	28217	202	124	111	263	113	0	200	40	1053	4
TAIWAN	22398	547	250	85	261	78	4	53	42	1320	6
HONG KONG	7785	125	44	10	249	16	0	43	3	490	7
JAPAN	26167	794	157	187	2697	5	1	186	93	4120	17
KOREA, DEMOCRATIC PEOPLES RE	41	2	0	0	3	0	0	1	1	7	18
KOREA, REPUBLIC OF	16740	278	278	77	359	29	9	63	38	1131	8
MACAO	136	1	1	0	6	0	0	0	0	8	6
MONGOLIA	9	0	0	1	0	0	0	0	0	1	11
EAST ASIA	101494	1949	854	471	3838	241	14	546	217	8130	9
SOUTH CENTRAL ASIA, UNSPECIF	12	0	0	0	0	0	0	0	0	0	0
AFGHANISTAN	75	4	0	0	5	0	0	0	0	9	13
BANGLADESH	1775	12	2	3	43	1	0	6	0	67	4
BHUTAN	19	0	0	0	0	0	0	0	0	0	0
INDIA	21821	177	92	37	294	17	3	94	3	717	4
MALDIVES	2	0	0	0	0	0	0	0	0	0	0
NEPAL	621	11	3	2	21	0	0	3	0	40	7
PAKISTAN	5426	33	14	5	156	1	0	29	0	238	5
SRI LANKA	1610	16	6	6	43	2	0	9	1	83	5
TAJIKISTAN	8	0	0	0	0	0	0	0	0	0	0

OTHER FIELDS OF STUDY

(continued on next page)

LOCATION		FIELD OF STUDY: OTHER FIELDS OF STUDY									
		COMMUNIC	HOME EC	LAW	LIB/GEN	LIBRARY	MILITARY	MULTDISC	PERS SOC	TOTAL	
		NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% OTH
SOUTH CENTRAL ASIA	31369	253	117	53	562	21	3	141	4	1154	4
SOUTH-EAST ASIA, UNSPECIFIE	4	0	0	0	1	0	0	0	0	1	25
BRUNEI	13	0	0	0	0	0	0	0	0	0	0
MYANMAR	242	1	0	0	16	0	0	1	0	18	8
INDONESIA	6407	60	66	16	171	6	1	42	3	365	6
CAMBODIA	68	0	0	0	5	0	0	0	0	5	8
LAOS	43	1	0	0	5	0	0	2	0	8	20
MALAYSIA	8655	204	53	4	165	5	0	28	9	468	6
PHILIPPINES	2433	50	16	15	78	2	0	14	1	176	8
SINGAPORE	3214	132	22	5	70	3	0	13	3	248	8
THAILAND	4856	91	19	38	130	4	1	30	6	319	7
VIETNAM	321	2	0	1	27	1	0	6	1	38	13
SOUTH-EAST ASIA	26256	541	176	79	668	21	2	136	23	1646	7
BAHRAIN	201	5	1	1	9	1	0	1	1	19	10
CYPRUS	1125	19	5	2	27	0	0	2	6	61	6
IRAN	3023	10	16	9	111	2	1	24	4	177	6
IRAQ	268	1	1	1	11	0	0	3	0	17	7
ISRAEL	1895	33	10	18	95	1	0	9	8	174	10
JORDAN	2469	14	8	8	97	1	0	16	10	154	7
KUWAIT	1161	27	5	1	60	4	0	4	1	102	10
LEBANON	1906	22	9	4	75	2	0	18	0	130	7
OMAN	260	2	0	0	6	2	0	2	0	12	5
QATAR	285	2	1	0	6	1	0	1	0	11	4
SAUDI ARABIA	2543	32	7	16	74	15	2	7	2	155	7
SYRIA	660	6	0	1	28	0	1	2	0	38	6
TURKEY	3053	32	6	2	95	0	0	7	1	143	5
UNITED ARAB EMIRATES	985	7	3	1	54	0	0	11	4	80	9
YEMEN	312	2	0	0	7	2	0	0	0	11	4
MIDDLE EAST	20146	214	72	64	755	31	4	107	37	1284	7
ASIA	179265	2957	1219	667	5823	314	23	930	281	12214	7
ALBANIA	5	0	0	0	0	0	0	0	0	0	0
BULGARIA	434	9	2	5	26	0	0	7	1	50	13
CZECHOSLOVAKIA	271	1	0	4	12	0	0	1	0	18	7
HUNGARY	478	11	0	3	11	1	0	3	1	30	7
POLAND	806	7	3	2	55	2	0	3	1	73	10
ROMANIA	286	1	1	3	12	0	0	3	0	20	8
AZERBAIJAN	1	0	0	0	0	0	0	0	0	0	0
U. S. S. R.	1225	13	1	7	55	1	0	31	1	109	10
BELARUS	1	0	0	1	0	0	0	0	0	1	100
UKRAINE	18	0	0	0	0	0	0	0	0	0	0
ESTONIA	17	0	0	0	0	0	0	0	0	0	0
LATVIA	10	0	0	0	0	0	0	0	0	0	0
LITHUANIA	19	0	0	0	0	0	0	0	0	0	0
RUSSIA	74	1	0	0	3	0	0	0	0	4	7

LOCATION		FIELD OF STUDY: OTHER FIELDS OF STUDY									
		COMMUNIC	HOME EC	LAW	LIB/GEN	LIBRARY	MILITARY	MULTDISC	PERS SOC	TOTAL	
		NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% OTH
GEORGIA	5	0	0	0	0	0	0	0	0	0	0
YUGOSLAVIA	981	8	3	4	34	2	0	11	1	63	7
CROATIA	2	0	0	0	0	0	0	0	0	0	0
EASTERN EUROPE	4633	51	10	29	208	6	0	59	5	368	9
WESTERN EUROPE, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0
ANDORRA	4	0	0	0	1	0	0	0	0	1	33
AUSTRIA	447	8	2	7	15	0	0	2	2	36	9
BELGIUM	560	12	1	19	19	0	1	2	1	55	10
DENMARK	532	16	3	13	41	0	0	5	2	80	17
FINLAND	622	14	11	8	29	0	0	3	2	67	11
FRANCE	3395	87	11	29	145	0	0	13	1	286	9
GERMANY	5039	95	11	53	214	7	1	20	4	405	9
GIBRALTAR	5	1	0	0	0	0	0	0	0	1	20
GREECE	2815	35	13	14	75	1	1	7	11	157	6
VATICAN CITY	4	0	0	0	0	0	0	1	0	1	50
ICELAND	435	35	4	2	6	0	3	4	0	54	13
IRELAND	743	26	2	6	31	0	0	2	3	70	10
ITALY	1536	44	4	13	63	1	0	14	4	143	10
LIECHTENSTEIN	4	0	0	0	0	0	0	0	0	0	0
LUXEMBOURG	23	0	0	0	0	0	0	0	0	0	0
MALTA	33	0	0	0	3	0	0	0	0	3	9
MONACO	5	1	0	0	1	0	0	0	0	2	40
NETHERLANDS	1497	39	9	10	101	1	0	10	3	173	13
NORWAY	1526	81	2	7	45	0	0	5	3	143	10
PORTUGAL	500	4	1	1	21	0	0	2	3	32	7
SPAIN	3275	106	11	24	169	5	0	11	11	337	11
SWEDEN	1481	54	11	11	127	0	2	17	7	229	17
SWITZERLAND	891	21	1	13	68	0	0	4	1	108	14
UNITED KINGDOM	5095	158	16	56	282	8	0	42	30	592	13
ENGLAND	1	0	0	0	0	0	0	0	0	0	0
WESTERN EUROPE	30469	837	113	286	1456	23	8	164	88	2975	11
EUROPE	35102	888	123	315	1664	29	8	223	93	3343	10
CARIBBEAN, UNSPECIFIED	163	5	1	0	33	0	0	0	0	39	24
ARUBA	22	0	1	0	0	0	0	0	1	2	9
BAHAMAS	1259	27	6	4	124	0	2	5	4	172	14
BARBADOS	322	6	5	2	12	0	0	1	1	27	9
CAYMAN ISLANDS	83	2	0	1	3	0	0	0	0	6	8
CUBA	54	0	0	1	1	0	0	0	0	2	4
DOMINICAN REPUBLIC	656	7	14	8	45	1	0	3	1	79	13
GUADELOUPE	11	1	1	0	0	0	0	0	0	2	18
HAITI	566	8	4	1	44	0	0	0	0	57	11
JAMAICA	1794	38	21	17	208	1	1	6	0	292	18

OTHER FIELDS OF STUDY

(continued on next page)

FIELD OF STUDY

LOCATION		OTHER FIELDS OF STUDY									
		COMMUNIC	HOME EC	LAW	LIB/GEN	LIBRARY	MILITARY	MULTDISC	PERS SOC	TOTAL	
		NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% OTH
LEEWARD ISLANDS	6	0	1	0	0	0	0	0	0	1	17
ANTIGUA	116	3	3	3	2	0	0	0	0	11	10
BRITISH VIRGIN ISLANDS	50	0	2	0	0	0	0	0	1	3	6
MONTSERRAT	9	0	0	0	1	0	0	0	0	1	11
ST. KITTS-NEVIS	44	2	0	0	1	0	0	0	0	3	7
ANGUILLA	6	0	0	0	0	0	0	0	0	0	0
MARTINIQUE	8	0	0	0	0	0	0	0	0	0	0
NETHERLANDS ANTILLES	347	15	2	3	30	0	1	3	1	55	17
TRINIDAD & TOBAGO	1423	32	12	15	102	2	0	7	2	172	13
TURKS & CAICOS ISLANDS	14	0	0	1	0	0	0	0	0	1	8
WINDWARD ISLANDS	2	0	0	0	0	0	0	0	0	0	0
DOMINICA	85	0	2	0	4	1	0	1	0	8	10
GRENADA	95	4	0	3	6	0	0	1	0	14	15
ST. LUCIA	52	1	2	0	0	0	0	0	1	4	8
ST. VINCENT	64	1	0	1	0	0	0	0	0	2	3
CARIBBEAN	7251	152	77	60	616	5	4	27	12	953	14
BELIZE	195	1	1	0	11	0	0	0	0	13	7
COSTA RICA	686	14	15	4	28	0	0	5	0	66	10
EL SALVADOR	611	7	9	2	67	0	1	4	1	91	16
GUATEMALA	490	9	11	2	23	2	0	2	1	50	10
HONDURAS	781	11	11	3	34	1	0	3	0	63	8
MEXICO	4541	85	31	16	157	2	0	19	23	333	8
NICARAGUA	422	4	2	1	15	0	0	2	0	24	6
PANAMA	1109	30	9	8	84	0	1	4	0	136	13
CENTRAL AMERICA	8835	161	89	36	419	5	2	39	25	776	9
SOUTH AMERICA, UNSPECIFIED	5	0	0	0	0	0	0	0	0	0	0
ARGENTINA	1343	24	11	18	87	1	1	5	0	147	12
BOLIVIA	606	17	2	2	45	0	0	1	1	68	12
BRAZIL	2868	53	15	10	155	1	1	16	12	263	10
CHILE	617	6	1	6	32	0	0	4	1	50	8
COLOMBIA	1929	39	15	6	181	1	0	15	5	262	14
ECUADOR	816	23	8	1	69	0	1	4	1	107	14
FALKLAND ISLANDS	2	0	0	0	0	0	0	0	0	0	0
FRENCH GUIANA	8	0	0	0	1	0	0	0	0	1	14
GUYANA	262	5	0	3	21	1	0	1	0	31	13
PARAGUAY	187	4	0	2	12	0	0	1	0	19	11
PERU	1688	36	17	14	89	0	0	5	2	163	10
SURINAME	132	0	0	0	17	0	0	1	0	18	14
URUGUAY	142	1	0	1	4	0	0	0	0	6	5
VENEZUELA	2167	38	7	16	216	1	0	11	4	293	15
SOUTH AMERICA	12772	246	76	79	929	5	3	64	26	1428	12
LATIN AMERICA	28858	559	242	175	1964	15	9	130	63	3157	12
BERMUDA	362	4	5	1	13	1	0	1	3	28	8
CANADA	11967	237	54	103	673	19	0	72	95	1253	11
NORTH AMERICAN REGION	12329	241	59	104	686	20	0	73	98	1281	11

LOCATION		FIELD OF STUDY: OTHER FIELDS OF STUDY									
		COMMUNIC	HOME EC	LAW	LIB/GEN	LIBRARY	MILITARY	MULTDISC	PERS SOC	TOTAL	
		NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	NUM	% OTH
NORTH AMERICA	12329	241	59	104	686	20	0	73	98	1281	11
AUSTRALIA	1229	44	8	19	55	1	0	6	14	147	13
NEW ZEALAND	436	10	5	4	11	0	0	2	5	37	9
AUSTRALIA + NEW ZEALAND	1665	54	13	23	66	1	0	8	19	184	12
SOLOMON ISLANDS	1	0	0	0	0	0	0	0	0	0	0
FIJI	45	3	0	1	6	0	0	1	0	11	27
FRENCH POLYNESIA	18	1	0	0	0	0	0	0	0	1	6
KIRIBATI	1	0	0	0	1	0	0	0	0	1	100
MARSHALL ISLANDS	13	0	0	0	1	0	0	0	0	1	8
NAURU	1	0	0	0	0	0	0	0	0	0	0
NEW CALEDONIA	5	1	0	0	1	0	0	0	0	2	40
PAPUA-NEW GUINEA	11	0	0	0	0	0	0	0	0	0	0
VANUATU	1	0	0	0	1	0	0	0	0	1	100
NORFOLK ISLAND	1	0	0	0	0	0	0	0	0	0	0
MICRONESIA, FED STATES OF	491	2	2	1	86	0	0	7	0	98	21
PALAU	180	3	0	2	9	0	0	0	0	14	8
TONGA	25	0	0	0	3	0	0	0	0	3	13
TUVALU	1	0	0	0	0	0	0	0	0	0	0
WESTERN SAMOA	41	0	0	0	9	0	0	0	0	9	23
PACIFIC OCEAN ISLAND AREA	835	10	2	4	117	0	0	8	0	141	18
OCEANIA	2500	64	15	27	183	1	0	16	19	325	14
STATELESS	99	1	0	0	6	0	0	2	0	9	10
COUNTRY UNKNOWN	34	0	0	1	0	1	0	0	0	2	6
STATELESS REGION	133	1	0	1	6	1	0	2	0	11	9
STATELESS OR UNKNOWN	133	1	0	1	6	1	0	2	0	11	9
******** FINAL TOTALS ****	273321	4952	1758	1388	10864	399	40	1452	590	21443	9

B.1 FIELD OF STUDY BY COUNTRY OF ORIGIN

INTENSIVE ENGLISH • NOT DECLARED • GRAND TOTAL

(continued on next page)

LOCATION		FIELD OF STUDY: INTENSIVE ENGLISH		NOT DECLARED		GRAND TOTAL	
		NUM	% FOS	NUM	% FOS	NUM	% FOS
UNKNOWN AREA OF WORLD	1043	20	2	206	23	901	86
UNKNOWN AREA OF WORLD	1043	20	2	206	23	901	86
UNKNOWN AREA OF WORLD	1043	20	2	206	23	901	86
EASTERN AFRICA, UNSPECIFIED	1	0	0	0	0	1	100
DJIBOUTI	16	1	6	1	6	16	100
BURUNDI	46	2	5	2	5	44	96
COMOROS	11	0	0	0	0	10	91
ETHIOPIA	1015	8	1	72	8	952	94
KENYA	1532	0	0	85	6	1476	96
MADAGASCAR	46	0	0	1	2	44	96
MALAWI	191	1	1	8	5	174	91
MAURITIUS	95	0	0	2	3	80	84
MOZAMBIQUE	39	0	0	0	0	36	92
REUNION ISLAND	1	0	0	0	0	1	100
ZIMBABWE	433	0	0	30	7	401	93
RWANDA	45	0	0	0	0	38	84
SEYCHELLES	19	0	0	2	11	19	100
SOMALIA	151	2	1	9	6	141	93
TANZANIA	409	0	0	17	4	384	94
UGANDA	365	0	0	13	4	349	96
ZAMBIA	264	0	0	15	6	250	95
EASTERN AFRICA	4679	14	0	257	6	4416	94
CENTRAL AFRICA, UNSPECIFIED	1	0	0	0	0	1	100
ANGOLA	33	0	0	1	3	31	94
CAMEROON	535	1	0	17	3	516	96
CENTRAL AFRICAN REPUBLIC	12	0	0	1	8	12	100
CHAD	18	0	0	0	0	10	56
CONGO	32	0	0	2	7	30	94
EQUATORIAL GUINEA	6	0	0	0	0	6	100
GABON	38	1	3	0	0	31	82
SAO TOME & PRINCIPE	13	0	0	0	0	12	92
ZAIRE	270	3	1	9	4	252	93
CENTRAL AFRICA	958	5	1	30	3	901	94
ALGERIA	229	1	0	6	3	213	93
CANARY ISLANDS	1	0	0	0	0	1	100
EGYPT	1076	8	1	31	3	1003	93
LIBYA	69	0	0	3	5	65	94
MOROCCO	677	13	2	13	2	634	94
WESTERN SAHARA	5	0	0	0	0	3	60
SUDAN	357	4	1	11	3	331	93
TUNISIA	339	1	0	7	2	309	91
NORTH AFRICA	2753	27	1	71	3	2559	93
SOUTHERN AFRICA, UNSPECIFIE	2	0	0	0	0	2	100
BOTSWANA	191	0	0	7	4	185	97
LESOTHO	40	1	3	1	3	39	98

B.2 GENDER BY COUNTRY OF ORIGIN

(continued on next page)

LOCATION		SEX: MALE		FEMALE		TOTAL	
		NUM	% M+F	NUM	% M+F	NUM	% ST3
UNKNOWN AREA OF WORLD	1043	494	58	361	42	855	82
UNKNOWN AREA OF WORLD	1043	494	58	361	42	855	82
UNKNOWN AREA OF WORLD	1043	494	58	361	42	855	82
EASTERN AFRICA, UNSPECIFIED	1	1	100	0	0	1	100
DJIBOUTI	16	14	88	2	13	16	100
BURUNDI	46	29	63	17	37	46	100
COMOROS	11	8	80	2	20	10	91
ETHIOPIA	1015	536	57	402	43	938	92
KENYA	1532	917	64	519	36	1436	94
MADAGASCAR	46	24	63	14	37	38	83
MALAWI	191	126	68	58	32	184	96
MAURITIUS	95	58	67	28	33	86	91
MOZAMBIQUE	39	27	71	11	29	38	97
REUNION ISLAND	1	0	0	1	100	1	100
ZIMBABWE	433	258	65	141	35	399	92
RWANDA	45	36	90	4	10	40	89
SEYCHELLES	19	13	68	6	32	19	100
SOMALIA	151	93	66	47	34	140	93
TANZANIA	409	273	71	112	29	385	94
UGANDA	365	228	65	124	35	352	96
ZAMBIA	264	158	67	78	33	236	89
EASTERN AFRICA	4679	2799	64	1566	36	4365	93
CENTRAL AFRICA, UNSPECIFIED	1	1	100	0	0	1	100
ANGOLA	33	30	97	1	3	31	94
CAMEROON	535	279	60	184	40	463	87
CENTRAL AFRICAN REPUBLIC	12	8	73	3	27	11	92
CHAD	18	11	65	6	35	17	94
CONGO	32	23	77	7	23	30	94
EQUATORIAL GUINEA	6	3	60	2	40	5	83
GABON	38	22	73	8	27	30	79
SAO TOME & PRINCIPE	13	6	46	7	54	13	100
ZAIRE	270	183	76	58	24	241	89
CENTRAL AFRICA	958	566	67	276	33	842	88
ALGERIA	229	171	81	41	19	212	93
CANARY ISLANDS	1	0	0	1	100	1	100
EGYPT	1076	772	79	206	21	978	91
LIBYA	69	57	92	5	8	62	90
MOROCCO	677	479	80	120	20	599	88
WESTERN SAHARA	5	4	80	1	20	5	100
SUDAN	357	267	82	60	18	327	92
TUNISIA	339	258	82	56	18	314	93
NORTH AFRICA	2753	2008	80	490	20	2498	91
SOUTHERN AFRICA, UNSPECIFIE	2	1	50	1	50	2	100
BOTSWANA	191	106	61	68	39	174	91
LESOTHO	40	22	59	15	41	37	93

LOCATION		FIELD OF STUDY: INTENSIVE ENGLISH NUM	INTENSIVE ENGLISH % FOS	NOT DECLARED NUM	NOT DECLARED % FOS	GRAND TOTAL NUM	GRAND TOTAL % FOS	SEX: MALE NUM	MALE % M+F	FEMALE NUM	FEMALE % M+F	TOTAL NUM	TOTAL % ST3
NAMIBIA	133	0	0	12	9	132	99	77	62	48	38	125	94
SOUTH AFRICA	1327	2	0	66	5	1246	94	786	65	431	35	1217	92
SWAZILAND	119	2	2	2	2	114	96	74	64	42	36	116	97
SOUTHERN AFRICA	1812	5	0	88	5	1718	95	1066	64	605	36	1671	92
WEST AFRICA, UNSPECIFIED	11	0	0	1	9	11	100	7	78	2	22	9	82
CAPE VERDE	39	0	0	3	8	38	97	21	55	17	45	38	97
BENIN	30	0	0	3	10	30	100	22	76	7	24	29	97
GAMBIA	147	0	0	3	2	143	97	99	73	36	27	135	92
GHANA	651	0	0	15	2	630	97	470	76	146	24	616	95
GUINEA	31	0	0	1	3	30	97	23	79	6	21	29	94
GUINEA-BISSAU	8	0	0	0	0	7	88	5	63	3	38	8	100
COTE D'IVOIRE	218	3	1	6	3	202	93	136	71	56	29	192	88
LIBERIA	292	0	0	4	1	278	95	162	60	106	40	268	92
MALI	83	1	1	3	4	79	95	64	81	15	19	79	95
MAURITANIA	33	3	9	2	6	32	97	29	88	4	12	33	100
NIGER	46	1	2	2	5	44	96	33	72	13	28	46	100
NIGERIA	1812	3	0	62	4	1702	94	1154	71	473	29	1627	90
SENEGAL	167	4	3	8	5	153	92	110	72	42	28	152	91
SIERRA LEONE	218	2	1	9	4	213	98	136	66	70	34	206	94
TOGO	59	1	2	3	5	58	98	42	78	12	22	54	92
BURKINA FASO	31	0	0	0	0	26	84	24	92	2	8	26	84
WEST AFRICA	3876	18	0	125	3	3676	95	2537	72	1010	28	3547	92
AFRICA, UNSPECIFIED	13	1	9	2	18	11	85	11	92	1	8	12	92
AFRICA REGION UNSPECIFIED	13	1	9	2	18	11	85	11	92	1	8	12	92
AFRICA	14091	70	1	573	4	13281	94	8987	69	3948	31	12935	92
EAST ASIA, UNSPECIFIED	1	0	0	0	0	1	100	1	100	0	0	1	100
CHINA	28217	213	1	520	2	25850	92	15841	65	8646	35	24487	87
TAIWAN	22398	495	2	441	2	20439	91	10037	54	8535	46	18572	83
HONG KONG	7785	44	1	240	3	6921	89	3853	56	2993	44	6846	88
JAPAN	26167	2080	9	1734	7	23893	91	10537	48	11332	52	21869	84
KOREA,DEMOCRATIC PEOPLES RE	41	0	0	0	0	38	93	24	62	15	38	39	95
KOREA, REPUBLIC OF	16740	831	6	509	3	15000	90	10255	73	3781	27	14036	84
MACAO	136	0	0	4	3	127	93	58	51	56	49	114	84
MONGOLIA	9	0	0	0	0	9	100	7	88	1	13	8	89
EAST ASIA	101494	3663	4	3448	4	92278	91	50613	59	35359	41	85972	85
SOUTH CENTRAL ASIA,UNSPECIF	12	0	0	0	0	12	100	9	75	3	25	12	100
AFGHANISTAN	75	0	0	1	1	71	95	63	85	11	15	74	99
BANGLADESH	1775	7	0	61	4	1687	95	1352	84	254	16	1606	90
BHUTAN	19	0	0	2	11	18	95	15	100	0	0	15	79
INDIA	21821	17	0	420	2	20364	93	15014	78	4167	22	19181	88
MALDIVES	2	0	0	0	0	2	100	1	50	1	50	2	100
NEPAL	621	1	0	26	4	596	96	482	80	117	20	599	96
PAKISTAN	5426	33	1	194	4	5030	93	4299	90	495	10	4794	88
SRI LANKA	1610	1	0	56	4	1546	96	1021	69	466	31	1487	92
TAJIKISTAN	8	0	0	0	0	8	100	7	88	1	13	8	100

B.1 FIELD OF STUDY BY COUNTRY OF ORIGIN

INTENSIVE ENGLISH • NOT DECLARED • GRAND TOTAL

(continued on next page)

LOCATION		FIELD OF STUDY: INTENSIVE ENGLISH		NOT DECLARED		GRAND TOTAL	
		NUM	% FOS	NUM	% FOS	NUM	% FOS
SOUTH CENTRAL ASIA	31369	59	0	760	3	29334	94
SOUTH-EAST ASIA, UNSPECIFIE	4	0	0	0	0	4	100
BRUNEI	13	0	0	2	18	11	85
MYANMAR	242	0	0	1	0	226	93
INDONESIA	6407	107	2	258	4	5793	90
CAMBODIA	68	0	0	5	8	66	97
LAOS	43	7	17	2	5	41	95
MALAYSIA	8655	43	1	262	3	8256	95
PHILIPPINES	2433	26	1	73	3	2236	92
SINGAPORE	3214	4	0	147	5	2991	93
THAILAND	4856	239	5	169	4	4451	92
VIETNAM	321	11	4	17	6	286	89
SOUTH-EAST ASIA	26256	437	2	936	4	24361	93
BAHRAIN	201	6	3	15	8	191	95
CYPRUS	1125	4	0	36	4	1018	90
IRAN	3023	23	1	81	3	2744	91
IRAQ	268	0	0	9	4	251	94
ISRAEL	1895	27	2	80	5	1687	89
JORDAN	2469	28	1	65	3	2287	93
KUWAIT	1161	34	3	38	4	1073	92
LEBANON	1906	4	0	50	3	1780	93
OMAN	260	7	3	10	4	228	88
QATAR	285	3	1	10	4	265	93
SAUDI ARABIA	2543	111	5	82	3	2378	94
SYRIA	660	16	3	13	2	623	94
TURKEY	3053	103	4	89	3	2847	93
UNITED ARAB EMIRATES	985	42	5	35	4	886	90
YEMEN	312	1	0	13	4	297	95
MIDDLE EAST	20146	409	2	626	3	18555	92
ASIA	179265	4568	3	5770	4	164528	92
ALBANIA	5	0	0	1	20	5	100
BULGARIA	434	2	1	25	7	373	86
CZECHOSLOVAKIA	271	14	6	20	8	246	91
HUNGARY	478	9	2	28	7	430	90
POLAND	806	19	3	44	6	746	93
ROMANIA	286	2	1	46	18	260	91
AZERBAIJAN	1	0	0	0	0	1	100
U. S. S. R.	1225	30	3	129	12	1085	89
BELARUS	1	0	0	0	0	1	100
UKRAINE	18	0	0	6	35	17	94
ESTONIA	17	0	0	3	19	16	94
LATVIA	10	0	0	1	10	10	100
LITHUANIA	19	0	0	1	5	19	100
RUSSIA	74	6	10	12	20	61	82

B.2 GENDER BY COUNTRY OF ORIGIN

(continued on next page)

LOCATION		SEX: MALE		FEMALE		TOTAL	
		NUM	% M+F	NUM	% M+F	NUM	% ST3
SOUTH CENTRAL ASIA	31369	22263	80	5515	20	27778	89
SOUTH-EAST ASIA, UNSPECIFIE	4	3	75	1	25	4	100
BRUNEI	13	6	60	4	40	10	77
MYANMAR	242	139	62	84	38	223	92
INDONESIA	6407	3576	66	1853	34	5429	85
CAMBODIA	68	46	69	21	31	67	99
LAOS	43	29	71	12	29	41	95
MALAYSIA	8655	5029	66	2567	34	7596	88
PHILIPPINES	2433	1043	49	1087	51	2130	88
SINGAPORE	3214	1780	63	1067	37	2847	89
THAILAND	4856	2171	54	1877	46	4048	83
VIETNAM	321	178	62	107	38	285	89
SOUTH-EAST ASIA	26256	14000	62	8680	38	22680	86
BAHRAIN	201	148	79	40	21	188	94
CYPRUS	1125	694	71	284	29	978	87
IRAN	3023	1695	65	911	35	2606	86
IRAQ	268	213	86	35	14	248	93
ISRAEL	1895	1130	70	473	30	1603	85
JORDAN	2469	1914	87	285	13	2199	89
KUWAIT	1161	945	90	102	10	1047	90
LEBANON	1906	1336	80	330	20	1666	87
OMAN	260	215	88	30	12	245	94
QATAR	285	229	92	19	8	248	87
SAUDI ARABIA	2543	2004	90	235	10	2239	88
SYRIA	660	518	87	76	13	594	90
TURKEY	3053	2022	73	732	27	2754	90
UNITED ARAB EMIRATES	985	781	91	77	9	858	87
YEMEN	312	272	93	19	7	291	93
MIDDLE EAST	20146	14116	79	3648	21	17764	88
ASIA	179265	100992	65	53202	35	154194	86
ALBANIA	5	3	60	2	40	5	100
BULGARIA	434	241	65	127	35	368	85
CZECHOSLOVAKIA	271	149	60	98	40	247	91
HUNGARY	478	243	56	189	44	432	90
POLAND	806	413	56	323	44	736	91
ROMANIA	286	155	61	98	39	253	88
AZERBAIJAN	1	1	100	0	0	1	100
U. S. S. R.	1225	645	61	405	39	1050	86
BELARUS	1	1	100	0	0	1	100
UKRAINE	18	14	78	4	22	18	100
ESTONIA	17	8	47	9	53	17	100
LATVIA	10	7	70	3	30	10	100
LITHUANIA	19	14	74	5	26	19	100
RUSSIA	74	38	56	30	44	68	92

LOCATION	FIELD OF STUDY: INTENSIVE ENGLISH NUM	INTENSIVE ENGLISH % FOS	NOT DECLARED NUM	NOT DECLARED % FOS	GRAND TOTAL NUM	GRAND TOTAL % FOS	SEX: MALE NUM	MALE % M+F	FEMALE NUM	FEMALE % M+F	TOTAL NUM	TOTAL % ST3
GEORGIA	5	0	0	0	3	60	1	20	4	80	5	100
YUGOSLAVIA	981	3	0	102	11	904	92	542	60	359	40	901	92
CROATIA	2	0	0	1	50	2	100	1	50	1	50	2	100
EASTERN EUROPE	4633	85	2	419	10	4179	90	2476	60	1657	40	4133	89
WESTERN EUROPE, UNSPECIFIED	1	0	0	0	0	1	100	1	100	0	0	1	100
ANDORRA	4	0	0	0	0	3	75	4	100	0	0	4	100
AUSTRIA	447	3	1	31	7	414	93	251	60	165	40	416	93
BELGIUM	560	6	1	20	4	525	94	322	63	193	37	515	92
DENMARK	532	4	1	47	10	481	90	242	50	242	50	484	91
FINLAND	622	6	1	65	11	589	95	291	52	273	48	564	91
FRANCE	3395	77	2	193	5	3115	92	1579	53	1409	47	2988	88
GERMANY	5039	29	1	381	8	4585	91	2569	58	1842	42	4411	88
GIBRALTAR	5	0	0	1	20	5	100	2	40	3	60	5	100
GREECE	2815	21	1	77	3	2536	90	1769	73	652	27	2421	86
VATICAN CITY	4	0	0	0	0	2	50	2	50	2	50	4	100
ICELAND	435	2	0	6	1	416	96	246	63	147	37	393	90
IRELAND	743	0	0	29	4	707	95	474	68	226	32	700	94
ITALY	1536	44	3	62	4	1398	91	815	60	533	40	1348	88
LIECHTENSTEIN	4	1	25	1	25	4	100	0	0	4	100	4	100
LUXEMBOURG	23	0	0	3	14	21	91	18	78	5	22	23	100
MALTA	33	0	0	5	16	32	97	25	81	6	19	31	94
MONACO	5	1	20	1	20	5	100	4	100	0	0	4	80
NETHERLANDS	1497	7	1	112	8	1377	92	847	61	535	39	1382	92
NORWAY	1526	5	0	74	5	1444	95	885	66	460	34	1345	88
PORTUGAL	500	4	1	19	4	482	96	278	62	174	38	452	90
SPAIN	3275	122	4	116	4	2945	90	1937	65	1021	35	2958	90
SWEDEN	1481	10	1	146	11	1382	93	737	56	581	44	1318	89
SWITZERLAND	891	34	4	53	7	800	90	429	58	308	42	737	83
UNITED KINGDOM	5095	6	0	403	9	4639	91	2708	61	1747	39	4455	87
ENGLAND	1	0	0	0	0	0	0	1	100	1	100	1	100
WESTERN EUROPE	30469	382	1	1845	7	27908	92	16435	61	10529	39	26964	88
EUROPE	35102	467	1	2264	7	32087	91	18911	61	12186	39	31097	89
CARIBBEAN, UNSPECIFIED	163	0	0	6	4	160	98	74	48	81	52	155	95
ARUBA	22	0	0	1	5	22	100	15	68	7	32	22	100
BAHAMAS	1259	0	0	68	6	1231	98	535	44	675	56	1210	96
BARBADOS	322	0	0	6	2	303	94	146	48	157	52	303	94
CAYMAN ISLANDS	83	0	0	2	3	74	89	37	47	41	53	78	94
CUBA	54	4	8	1	2	51	94	25	50	25	50	50	93
DOMINICAN REPUBLIC	656	10	2	27	4	611	93	361	61	234	39	595	91
GUADELOUPE	11	0	0	1	9	11	100	4	40	6	60	10	91
HAITI	566	17	3	29	6	525	93	287	58	204	42	491	87
JAMAICA	1794	2	0	70	4	1614	90	758	46	887	54	1645	92

B.1 FIELD OF STUDY BY COUNTRY OF ORIGIN

INTENSIVE ENGLISH • NOT DECLARED • GRAND TOTAL

(continued on next page)

LOCATION		FIELD OF STUDY: INTENSIVE ENGLISH NUM	% POS	NOT DECLARED NUM	% POS	GRAND TOTAL NUM	% POS
LEEWARD ISLANDS	6	0	0	0	0	6	100
ANTIGUA	116	0	0	4	4	109	94
BRITISH VIRGIN ISLANDS	50	0	0	5	10	50	100
MONTSERRAT	9	0	0	0	0	9	100
ST. KITTS-NEVIS	44	0	0	1	2	43	98
ANGUILLA	6	0	0	0	0	6	100
MARTINIQUE	8	0	0	0	0	8	100
NETHERLANDS ANTILLES	347	1	0	16	5	321	93
TRINIDAD & TOBAGO	1423	2	0	67	5	1279	90
TURKS & CAICOS ISLANDS	14	0	0	0	0	13	93
WINDWARD ISLANDS	2	0	0	0	0	2	100
DOMINICA	89	0	0	2	2	82	96
GRENADA	95	0	0	3	3	93	98
ST. LUCIA	52	0	0	2	4	52	100
ST. VINCENT	64	0	0	3	5	61	95
CARIBBEAN	7251	36	1	314	5	6736	93
BELIZE	195	0	0	5	3	192	98
COSTA RICA	686	13	2	34	5	660	96
EL SALVADOR	611	7	1	34	6	585	96
GUATEMALA	490	6	1	28	6	478	98
HONDURAS	781	17	2	22	3	750	96
MEXICO	4541	215	5	481	12	4119	91
NICARAGUA	422	12	3	20	5	404	96
PANAMA	1109	19	2	43	4	1061	96
CENTRAL AMERICA	8835	289	4	667	8	8249	93
SOUTH AMERICA, UNSPECIFIED	5	0	0	0	0	5	100
ARGENTINA	1343	15	1	60	5	1249	93
BOLIVIA	606	17	3	22	4	581	96
BRAZIL	2868	75	3	114	4	2581	90
CHILE	617	8	1	26	4	596	97
COLOMBIA	1929	132	7	67	4	1821	94
ECUADOR	816	20	3	38	5	773	95
FALKLAND ISLANDS	2	0	0	1	50	2	100
FRENCH GUIANA	8	0	0	0	0	7	88
GUYANA	262	0	0	6	2	243	93
PARAGUAY	187	2	1	22	12	177	95
PERU	1688	36	2	65	4	1564	93
SURINAME	132	1	1	8	6	128	97
URUGUAY	142	1	1	4	3	124	87
VENEZUELA	2167	161	8	82	4	2008	93
SOUTH AMERICA	12772	468	4	515	4	11859	93
LATIN AMERICA	28858	793	3	1496	5	26844	93
BERMUDA	362	0	0	20	6	357	99
CANADA	11967	24	0	657	5	11212	94
NORTH AMERICAN REGION	12329	24	0	677	6	11569	94

B.2 GENDER BY COUNTRY OF ORIGIN

(continued on next page)

LOCATION		SEX: MALE NUM	% M+F	FEMALE NUM	% M+F	TOTAL NUM	% ST3
LEEWARD ISLANDS	6	1	17	5	83	6	100
ANTIGUA	116	57	54	49	46	106	91
BRITISH VIRGIN ISLANDS	50	20	41	29	59	49	98
MONTSERRAT	9	4	44	5	56	9	100
ST. KITTS-NEVIS	44	23	55	19	45	42	95
ANGUILLA	6	3	60	2	40	5	83
MARTINIQUE	8	5	63	3	38	8	100
NETHERLANDS ANTILLES	347	156	51	151	49	307	88
TRINIDAD & TOBAGO	1423	660	51	630	49	1290	91
TURKS & CAICOS ISLANDS	14	5	38	8	62	13	93
WINDWARD ISLANDS	2	0	0	2	100	2	100
DOMINICA	89	34	40	50	60	84	99
GRENADA	95	56	63	33	37	89	94
ST. LUCIA	52	31	61	20	39	51	98
ST. VINCENT	64	25	45	30	55	55	86
CARIBBEAN	7251	3322	50	3353	50	6675	92
BELIZE	195	113	63	67	37	180	92
COSTA RICA	686	390	63	232	37	622	91
EL SALVADOR	611	326	58	232	42	558	91
GUATEMALA	490	284	62	174	38	458	93
HONDURAS	781	392	54	334	46	726	93
MEXICO	4541	2687	65	1443	35	4130	91
NICARAGUA	422	196	48	210	52	406	96
PANAMA	1109	566	55	465	45	1031	93
CENTRAL AMERICA	8835	4954	61	3157	39	8111	92
SOUTH AMERICA, UNSPECIFIED	5	3	60	2	40	5	100
ARGENTINA	1343	729	60	493	40	1222	91
BOLIVIA	606	364	67	183	33	547	90
BRAZIL	2868	1527	61	972	39	2499	87
CHILE	617	367	64	210	36	577	94
COLOMBIA	1929	1104	62	685	38	1789	93
ECUADOR	816	467	61	297	39	764	94
FALKLAND ISLANDS	2	1	50	1	50	2	100
FRENCH GUIANA	8	6	75	2	25	8	100
GUYANA	262	140	58	101	42	241	92
PARAGUAY	187	97	66	50	34	147	79
PERU	1688	950	61	601	39	1551	92
SURINAME	132	62	48	66	52	128	97
URUGUAY	142	81	63	47	37	128	90
VENEZUELA	2167	1199	61	780	39	1979	91
SOUTH AMERICA	12772	7097	61	4490	39	11587	91
LATIN AMERICA	28858	15373	58	11000	42	26373	91
BERMUDA	362	162	46	191	54	353	98
CANADA	11967	6416	60	4302	40	10718	90
NORTH AMERICAN REGION	12329	6578	59	4493	41	11071	90

LOCATION		FIELD OF STUDY: INTENSIVE ENGLISH		FIELD OF STUDY: NOT DECLARED		FIELD OF STUDY: GRAND TOTAL		SEX: MALE		SEX: FEMALE		SEX: TOTAL	
		NUM	% FOS	NUM	% FOS	NUM	% FOS	NUM	% M+F	NUM	% M+F	NUM	% ST3
NORTH AMERICA	12329	24	0	677	6	11369	94	6578	59	4493	41	11071	90
AUSTRALIA	1229	2	0	67	6	1115	91	696	62	431	38	1127	92
NEW ZEALAND	436	2	0	16	4	421	97	259	65	137	35	396	91
AUSTRALIA + NEW ZEALAND	1665	4	0	83	5	1536	92	955	63	568	37	1523	91
SOLOMON ISLANDS	1	0	0	1	100	1	100	1	100	0	0	1	100
FIJI	45	0	0	5	12	41	91	30	70	13	30	43	96
FRENCH POLYNESIA	18	0	0	0	0	17	94	7	39	11	61	18	100
KIRIBATI	1	0	0	0	0	1	100	1	100	0	0	1	100
MARSHALL ISLANDS	13	0	0	2	15	13	100	8	62	5	38	13	100
NAURU	1	0	0	0	0	1	100	0	0	0	0	0	0
NEW CALEDONIA	5	0	0	0	0	5	100	4	80	1	20	5	100
PAPUA-NEW GUINEA	11	0	0	0	0	11	100	9	82	2	18	11	100
VANUATU	1	0	0	0	0	1	100	0	0	1	100	1	100
NORFOLK ISLAND	1	0	0	0	0	1	100	1	100	0	0	1	100
MICRONESIA, FED STATES OF	491	78	17	16	3	465	95	290	60	190	40	480	98
PALAU	180	0	0	5	3	179	99	21	48	23	52	44	24
TONGA	25	1	4	4	17	23	92	10	45	12	55	22	88
TUVALU	1	0	0	0	0	1	100	0	0	1	100	1	100
WESTERN SAMOA	41	1	3	2	5	40	98	28	70	12	30	40	98
PACIFIC OCEAN ISLAND AREA	835	80	10	35	4	800	96	410	60	271	40	681	82
OCEANIA	2500	84	4	118	5	2336	93	1365	62	839	38	2204	88
STATELESS	99	2	2	4	4	93	94	80	87	12	13	92	93
COUNTRY UNKNOWN	34	0	0	5	15	33	97	20	59	14	41	34	100
STATELESS REGION	133	2	2	9	7	126	95	100	79	26	21	126	95
STATELESS OR UNKNOWN	133	2	2	9	7	126	95	100	79	26	21	126	95
******** FINAL TOTALS ****	273321	6028	2	11113	4	251672	92	152800	64	86055	36	238855	87

LOCATION	ST3 TOTAL	ASSOCIATE TOTAL NUM	ASSOCIATE TOTAL % ACD	BACHELOR FRESHMAN NUM	BACHELOR SOPHOMORE NUM	BACHELOR JUNIOR NUM	BACHELOR SENIOR NUM	BACHELOR UNSPEC NUM	BACHELOR TOTAL NUM	BACHELOR TOTAL % ACD
UNKNOWN AREA OF WORLD	1043	166	19	126	68	62	63	50	369	42
UNKNOWN AREA OF WORLD	1043	166	19	126	68	62	63	50	369	42
UNKNOWN AREA OF WORLD	1043	166	19	126	68	62	63	50	369	42
EASTERN AFRICA, UNSPECIFIED	1		0		1				1	100
DJIBOUTI	16		0	2	1	5	3	1	12	75
BURUNDI	46		0	4	1	3	1		9	20
COMOROS	11	1	10		2		3	3	8	80
ETHIOPIA	1015	213	22	133	98	101	106	41	479	49
KENYA	1532	128	9	199	157	163	187	139	845	58
MADAGASCAR	46	6	14	3	4	2	4	1	14	33
MALAWI	191	24	13	22	10	8	8	9	57	31
MAURITIUS	95	6	7	10	2	14	10	14	50	56
MOZAMBIQUE	39		0	1	2	3	3		9	24
REUNION ISLAND	1		0							0
ZIMBABWE	433	53	13	52	61	39	37	32	221	53
RWANDA	45	6	14	2	2		4	1	9	21
SEYCHELLES	19	4	22	4	2	4	2		12	67
SOMALIA	151	10	7	8	11	15	12	11	57	40
TANZANIA	409	25	6	46	40	30	34	27	177	46
UGANDA	365	32	9	41	31	32	29	29	162	45
ZAMBIA	264	16	6	49	26	21	24	14	134	53
EASTERN AFRICA	4679	524	12	576	451	440	467	322	2256	50
CENTRAL AFRICA, UNSPECIFIED	1		0							0
ANGOLA	33		0	5	7	5	3	3	23	72
CAMEROON	535	45	9	55	37	47	58	32	229	48
CENTRAL AFRICAN REPUBLIC	12		0	1	1		1	4	7	64
CHAD	18	7	41				2		2	12
CONGO	32	3	10	3	1		1	2	7	23
EQUATORIAL GUINEA	6	1	20	1			2		3	60
GABON	38	4	12	4	4	2	1	4	15	45
SAO TOME & PRINCIPE	13	1	8			2	6		8	62
ZAIRE	270	43	18	23	14	14	10	9	70	29
CENTRAL AFRICA	958	104	12	92	64	70	84	54	364	42
ALGERIA	229	19	8	14	5	6	14	2	41	18
CANARY ISLANDS	1		0	1					1	100
EGYPT	1076	83	8	43	46	36	42	40	207	20
LIBYA	69	6	9	5	2	2	13	2	24	38
MOROCCO	677	131	21	49	43	57	47	48	244	39
WESTERN SAHARA	5	2	40					3	3	60
SUDAN	357	41	12	26	11	20	10	13	80	24
TUNISIA	339	14	4	6	4	7	7	10	34	10
NORTH AFRICA	2753	296	11	144	111	128	133	118	634	24
SOUTHERN AFRICA, UNSPECIFIED	2		0			1			1	50
BOTSWANA	191	7	4	24	17	18	26	20	105	58
LESOTHO	40	1	3	4	2	3	3	1	13	35

ACADEMIC LEVEL

LOCATION	ST3 TOTAL	ASSOCIATE TOTAL NUM	ASSOCIATE TOTAL % ACD	BACHELOR FRESHMAN NUM	BACHELOR SOPHOMORE NUM	BACHELOR JUNIOR NUM	BACHELOR SENIOR NUM	BACHELOR UNSPEC NUM	BACHELOR TOTAL NUM	BACHELOR TOTAL % ACD
NAMIBIA	133	5	4	19	30	25	28	7	109	84
SOUTH AFRICA	1327	87	7	135	122	94	136	105	592	46
SWAZILAND	119	6	5	13	9	16	12	9	59	50
SOUTHERN AFRICA	1812	106	6	195	180	157	205	142	879	50
WEST AFRICA, UNSPECIFIED	11	1	11	3	1	2	2		8	89
CAPE VERDE	39	4	11	5	2	5	3	5	20	53
BENIN	30	3	11	2	2	1			5	18
GAMBIA	147	25	19	28	15	19	17	5	84	62
GHANA	651	21	3	63	57	55	61	33	269	43
GUINEA	31	2	7	1	2	1	2	1	7	23
GUINEA-BISSAU	8	2	29	1		2	1		4	57
COTE D'IVOIRE	218	22	11	21	11	8	20	15	75	37
LIBERIA	292	41	15	35	17	30	28	21	131	48
MALI	83	5	6	6	4	2	2	1	15	18
MAURITANIA	33		0	3	2		1	1	7	22
NIGER	46	6	13	1	1	2	1	2	7	16
NIGERIA	1812	154	9	182	114	140	204	93	733	44
SENEGAL	167	27	18	16	15	6	12	8	57	37
SIERRA LEONE	218	46	21	19	19	15	15	7	75	35
TOGO	59	6	10	3	5	2	1	4	15	26
BURKINA FASO	31		0	1	1	1	1	1	5	17
WEST AFRICA	3876	365	10	390	268	291	371	197	1517	42
AFRICA, UNSPECIFIED	13		0	4	2	3	1	1	11	100
AFRICA REGION UNSPECIFIED	13		0	4	2	3	1	1	11	100
AFRICA	14091	1395	10	1401	1076	1089	1261	834	5661	42
EAST ASIA, UNSPECIFIED	1		0							0
CHINA	28217	889	3	603	458	500	557	612	2730	10
TAIWAN	22398	1027	5	863	609	833	1165	1027	4497	22
HONG KONG	7785	1389	19	799	759	755	965	641	3919	53
JAPAN	26167	6453	26	2890	2013	1924	1823	2289	10939	44
KOREA,DEMOCRATIC PEOPLES REPUB	41	6	15	4	3	3			10	26
KOREA, REPUBLIC OF	16740	1154	7	1160	628	503	605	963	3859	24
MACAO	136	42	31	18	7	10	14	14	63	47
MONGOLIA	9		0			1			1	11
EAST ASIA	101494	10960	11	6337	4477	4529	5129	5546	26018	27
SOUTH CENTRAL ASIA,UNSPECIFIED	12		0							0
AFGHANISTAN	75	2	3	10	9	9	6	3	37	52
BANGLADESH	1775	132	8	262	179	152	149	121	863	51
BHUTAN	19	1	5	2	2	6	2	1	13	68
INDIA	21821	465	2	713	570	646	751	685	3365	17
MALDIVES	2		0				1	1	2	100
NEPAL	621	111	19	77	58	54	62	22	273	46
PAKISTAN	5426	478	9	748	550	517	596	411	2822	55
SRI LANKA	1610	111	7	142	135	192	176	85	730	47
TAJIKISTAN	8		0	1		1	1		3	38

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ASSOCIATE • BACHELOR'S

(continued on next page)

LOCATION	ST3 TOTAL	ASSOCIATE TOTAL		BACHELOR						
				FRESHMAN	SOPHOMORE	JUNIOR	SENIOR	UNSPEC	TOTAL	
		NUM	% ACD	NUM	NUM	NUM	NUM	NUM	NUM	% ACD
SOUTH CENTRAL ASIA	31369	1300	4	1955	1503	1577	1744	1329	8108	28
SOUTH-EAST ASIA, UNSPECIFIED	4	2	50			1			1	25
BRUNEI	13	2	18	1	1		4		6	55
MYANMAR	242	69	21	20	14	22	11	17	84	36
INDONESIA	6407	927	16	791	533	497	560	445	2826	48
CAMBODIA	68	16	24	14	5	8	4	14	45	67
LAOS	43	11	26	6	3	4	2	2	17	40
MALAYSIA	8655	407	5	709	939	1360	2226	833	6067	75
PHILIPPINES	2433	361	16	161	154	139	221	161	836	36
SINGAPORE	3214	201	7	386	371	426	557	278	2018	67
THAILAND	4856	394	9	258	211	158	259	288	1174	27
VIETNAM	321	66	21	33	20	23	48	48	172	54
SOUTH-EAST ASIA	26256	2436	10	2379	2251	2638	3892	2086	13246	54
BAHRAIN	201	23	12	33	19	20	25	15	112	58
CYPRUS	1125	79	7	124	112	116	146	182	680	61
IRAN	3023	402	14	131	139	219	326	243	1058	37
IRAQ	268	24	9	19	10	14	27	15	85	33
ISRAEL	1895	226	13	133	89	79	113	258	672	38
JORDAN	2469	348	15	211	186	212	360	175	1144	50
KUWAIT	1161	174	16	114	119	110	202	122	667	60
LEBANON	1906	262	15	125	128	173	199	132	757	42
OMAN	260	34	14	26	22	15	52	23	138	56
QATAR	285	43	16	42	23	28	40	37	170	62
SAUDI ARABIA	2543	236	10	180	135	191	232	165	903	38
SYRIA	660	101	17	40	36	44	77	41	238	40
TURKEY	3053	197	7	218	175	133	140	169	835	29
UNITED ARAB EMIRATES	985	196	22	138	82	98	107	136	561	62
YEMEN	312	47	16	32	42	29	43	17	163	55
MIDDLE EAST	20146	2392	13	1566	1317	1481	2089	1730	8183	43
ASIA	179265	17088	10	12237	9548	10225	12854	10691	55555	33
ALBANIA	5		0	1					1	20
BULGARIA	434	20	5	93	40	24	28	60	245	59
CZECHOSLOVAKIA	271	30	11	33	9	4	11	19	76	29
HUNGARY	478	55	12	40	20	24	16	25	125	28
POLAND	806	140	18	59	30	31	35	60	215	28
ROMANIA	286	34	12	20	42	7	4	4	77	28
AZERBAIJAN	1		0			1			1	100
U. S. S. R.	1225	92	8	143	42	34	40	126	385	33
BELARUS	1		0							0
UKRAINE	18	3	27	1				5	6	55
ESTONIA	17		0	6	2	1	1	1	11	65
LATVIA	10	1	11	1	1				2	22
LITHUANIA	19	2	13	2	1	2		1	6	38
RUSSIA	74	9	12	21	4		5	9	39	53

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LOCATION	ST3 TOTAL	ACADEMIC LEVEL: ASSOCIATE TOTAL		BACHELOR: FRESHMAN	SOPHOMORE	JUNIOR	SENIOR	UNSPEC	TOTAL	
		NUM	% ACD	NUM	NUM	NUM	NUM	NUM	NUM	% ACD
GEORGIA	5		0	2				2	4	80
YUGOSLAVIA	981	84	9	111	45	38	48	47	289	31
CROATIA	2		0	1					1	100
EASTERN EUROPE	4633	470	11	534	236	166	188	359	1483	34
WESTERN EUROPE, UNSPECIFIED	1		0							0
ANDORRA	4	1	25	1			1	1	3	75
AUSTRIA	447	42	10	33	24	32	18	56	163	37
BELGIUM	560	51	9	38	23	27	38	33	159	29
DENMARK	532	68	13	72	29	29	36	60	226	45
FINLAND	622	62	10	81	49	66	47	59	302	51
FRANCE	3395	306	9	222	139	169	226	294	1050	33
GERMANY	5039	350	7	447	193	250	312	502	1704	35
GIBRALTAR	5		0		1	1			2	50
GREECE	2815	149	6	204	145	199	207	233	988	37
VATICAN CITY	4	4	100							0
ICELAND	435	32	8	34	24	47	38	40	183	44
IRELAND	743	60	9	58	44	55	64	51	272	39
ITALY	1536	131	9	97	94	90	93	133	507	34
LIECHTENSTEIN	4	1	25	1			1		2	50
LUXEMBOURG	23		0	2	1	2		2	7	32
MALTA	33	1	3	4	6	2	8	4	24	75
MONACO	5		0	1	1		1	1	4	80
NETHERLANDS	1497	152	10	132	90	112	152	162	648	45
NORWAY	1526	99	7	120	135	217	287	225	984	66
PORTUGAL	500	49	10	39	22	32	30	33	156	33
SPAIN	3275	284	9	252	207	259	246	631	1595	51
SWEDEN	1481	237	17	268	144	130	106	185	833	60
SWITZERLAND	891	88	10	80	52	77	78	99	386	45
UNITED KINGDOM	5095	403	9	576	323	444	372	625	2340	50
ENGLAND	1	1	100							0
WESTERN EUROPE	30469	2571	9	2762	1746	2240	2361	3429	12538	43
EUROPE	35102	3041	9	3296	1982	2406	2549	3788	14021	42
CARIBBEAN, UNSPECIFIED	163	58	36	18	15	11	14	8	66	41
ARUBA	22	3	15	4	2	2	5	2	15	75
BAHAMAS	1259	284	23	181	136	203	223	67	810	66
BARBADOS	322	52	17	49	27	32	42	32	182	58
CAYMAN ISLANDS	83	12	15	14	16	13	10	11	64	82
CUBA	54	8	15	11	11	1	3	3	29	54
DOMINICAN REPUBLIC	656	137	21	63	71	44	51	52	281	44
GUADELOUPE	11	6	55	1		2		2	5	45
HAITI	566	230	41	60	36	50	48	53	247	45
JAMAICA	1794	537	31	190	117	178	161	183	829	47

B.3 ACADEMIC LEVEL BY COUNTRY OF ORIGIN

ASSOCIATE • BACHELOR'S

(continued on next page)

LOCATION	ST3 TOTAL	ACADEMIC LEVEL: ASSOCIATE TOTAL NUM	ASSOCIATE TOTAL % ACD	BACHELOR FRESHMAN NUM	BACHELOR SOPHOMORE NUM	BACHELOR JUNIOR NUM	BACHELOR SENIOR NUM	BACHELOR UNSPEC NUM	BACHELOR TOTAL NUM	BACHELOR TOTAL % ACD
LEEWARD ISLANDS	6		0			2	3	1	6	100
ANTIGUA	116	25	23	18	10	16	20	6	70	64
BRITISH VIRGIN ISLANDS	50	6	12	9	6	10	8	3	36	72
MONTSERRAT	9	2	22	1		2	3		6	67
ST. KITTS-NEVIS	44	6	14	7	4	6	6	5	28	64
ANGUILLA	6		0		1	1			2	33
MARTINIQUE	8	1	13	4	1	2			7	88
NETHERLANDS ANTILLES	367	52	16	39	37	43	54	51	224	70
TRINIDAD & TOBAGO	1423	328	24	180	121	124	153	149	727	54
TURKS & CAICOS ISLANDS	14	2	15	1	2	3	3	2	11	85
WINDWARD ISLANDS	2		0			1			1	50
DOMINICA	85	26	31	15	9	11	10	3	48	57
GRENADA	95	18	20	12	13	7	17	5	54	59
ST. LUCIA	52	16	31	6	5	7	7	1	26	51
ST. VINCENT	64	19	32	11	7	7	5	3	33	56
CARIBBEAN	7251	1828	26	894	647	778	846	642	3807	54
BELIZE	195	37	20	15	11	26	44	12	108	58
COSTA RICA	686	65	10	60	40	53	83	36	272	41
EL SALVADOR	611	152	25	52	54	56	99	57	318	53
GUATEMALA	490	105	22	42	37	47	65	25	216	45
HONDURAS	781	135	18	75	67	100	156	34	432	58
MEXICO	4541	506	11	659	395	344	346	317	2061	46
NICARAGUA	422	137	34	39	24	22	43	13	141	35
PANAMA	1109	176	16	120	125	137	214	102	698	64
CENTRAL AMERICA	8835	1313	15	1062	753	785	1050	596	4246	49
SOUTH AMERICA, UNSPECIFIED	5	3	60		1	1			2	40
ARGENTINA	1343	141	11	110	71	88	76	102	447	35
BOLIVIA	606	94	16	70	45	76	116	33	340	58
BRAZIL	2868	378	14	190	142	131	144	227	834	31
CHILE	617	69	11	30	31	35	34	29	159	26
COLOMBIA	1929	367	19	123	96	121	134	130	604	32
ECUADOR	816	144	18	86	69	64	88	89	396	50
FALKLAND ISLANDS	2		0	1	1				2	100
FRENCH GUIANA	8	4	50	2		1			3	38
GUYANA	262	31	12	29	15	25	31	21	121	48
PARAGUAY	187	21	12	26	20	18	17	10	91	53
PERU	1688	247	15	162	126	143	158	163	752	46
SURINAME	132	49	38	12	3	14	11	16	56	43
URUGUAY	142	10	7	9	6	8	8	14	45	32
VENEZUELA	2167	397	19	186	105	135	160	160	746	36
SOUTH AMERICA	12772	1955	16	1036	731	860	977	994	4598	37
LATIN AMERICA	28858	5096	18	2992	2131	2423	2873	2232	12651	45
BERMUDA	362	44	12	74	68	47	50	31	270	76
CANADA	11967	1046	9	1211	922	1013	1063	978	5187	46
NORTH AMERICAN REGION	12329	1090	9	1285	990	1060	1113	1009	5457	47

LOCATION	STS TOTAL	ACADEMIC LEVEL: ASSOCIATE TOTAL NUM	ASSOCIATE TOTAL % ACD	BACHELOR FRESHMAN NUM	BACHELOR SOPHOMORE NUM	BACHELOR JUNIOR NUM	BACHELOR SENIOR NUM	BACHELOR UNSPEC NUM	BACHELOR TOTAL NUM	BACHELOR TOTAL % ACD
NORTH AMERICA	12329	1090	9	1285	990	1060	1113	1009	5457	47
AUSTRALIA	1229	91	8	112	71	68	58	130	439	37
NEW ZEALAND	436	37	9	28	27	30	32	21	138	33
AUSTRALIA + NEW ZEALAND	1665	128	8	140	98	98	90	151	577	36
SOLOMON ISLANDS	1		0							0
FIJI	45	19	42	6	5	3	1	2	17	38
FRENCH POLYNESIA	18		0		6	4	5	1	16	89
KIRIBATI	1		0							0
MARSHALL ISLANDS	13		0	9	1		2		12	100
NAURU	1		0							0
NEW CALEDONIA	5	2	40				1		1	20
PAPUA-NEW GUINEA	11	1	9		1	2			3	27
VANUATU	1		0					1	1	100
NORFOLK ISLAND	1		0					1	1	100
MICRONESIA, FED STATES OF	491	181	37	73	53	25	21	6	178	37
PALAU	180	6	3	100	22	24	19		165	93
TONGA	25	2	9	4	4	1	2	5	16	73
TUVALU	1		0					1	1	100
WESTERN SAMOA	41	7	17	10	6	7	2		25	61
PACIFIC OCEAN ISLAND AREAS	835	218	27	202	98	66	53	17	436	53
OCEANIA	2500	346	14	342	196	164	143	168	1013	42
STATELESS	99	15	16	10	11	7	11	4	43	47
COUNTRY UNKNOWN	34		0	2	2	1	10	4	19	56
STATELESS REGION	133	15	12	12	13	8	21	8	62	49
STATELESS OR UNKNOWN	133	15	12	12	13	8	21	8	62	49
******* FINAL TOTALS *******	273321	28237	11	21691	16004	17437	20877	18780	94789	37

B.3 ACADEMIC LEVEL BY COUNTRY OF ORIGIN

GRADUATE • OTHER

(continued on next page)

LOCATION	ST3 TOTAL	GRADUATE MASTERS NUM	GRADUATE DOCTOR NUM	GRADUATE PRF TRNG NUM	GRADUATE UNSPEC NUM	GRADUATE TOTAL NUM	GRADUATE TOTAL % ACD	OTHER PR TRNG NUM	OTHER NON DEG NUM	OTHER INT ENGL NUM	OTHER TOTAL NUM	OTHER TOTAL % ACD	ACADEMIC TOTAL	ACADEMIC TOTAL % ST3
UNKNOWN AREA OF WORLD	1043	173	65	18	15	271	31	5	58	16	79	9	885	85
UNKNOWN AREA OF WORLD	1043	173	65	18	15	271	31	5	58	16	79	9	885	85
UNKNOWN AREA OF WORLD	1043	173	65	18	15	271	31	5	58	16	79	9	885	85
EASTERN AFRICA, UNSPECIFIED	1	0	0	0	0	0	0	0	0	0	0	0	1	100
DJIBOUTI	16	1	2	0	0	3	19	0	0	1	1	6	16	100
BURUNDI	46	16	13	0	5	34	76	1	1	0	2	4	45	98
COMOROS	11	1	0	0	0	1	10	0	0	0	0	0	10	91
ETHIOPIA	1015	107	108	10	33	258	26	9	9	7	25	3	975	96
KENYA	1532	244	140	17	66	467	32	18	10	1	29	2	1469	96
MADAGASCAR	46	7	9	1	4	21	50	0	1	0	1	2	42	91
MALAWI	191	44	30	2	17	93	51	3	5	0	8	4	182	95
MAURITIUS	95	18	6	2	3	29	33	3	1	0	4	4	89	94
MOZAMBIQUE	39	10	12	0	5	27	71	0	1	1	2	5	38	97
REUNION ISLAND	1	0	0	1	0	1	100	0	0	0	0	0	1	100
ZIMBABWE	433	57	51	5	20	133	32	4	5	1	10	2	417	96
RWANDA	45	16	8	0	4	28	65	0	0	0	0	0	43	96
SEYCHELLES	19	0	0	0	1	1	6	0	1	0	1	6	18	95
SOMALIA	151	28	34	1	4	67	48	1	4	2	7	5	141	93
TANZANIA	409	91	54	2	24	171	44	6	7	0	13	3	386	94
UGANDA	365	78	56	7	13	154	43	2	10	0	12	3	360	99
ZAMBIA	264	51	25	3	13	92	36	1	10	1	12	5	254	96
EASTERN AFRICA	4679	769	548	51	212	1580	35	48	65	14	127	3	4487	96
CENTRAL AFRICA, UNSPECIFIED	1	1	0	0	0	1	100	0	0	0	0	0	1	100
ANGOLA	33	0	0	0	1	1	3	0	8	0	8	25	32	97
CAMEROON	535	101	59	4	21	185	39	5	13	0	18	4	477	89
CENTRAL AFRICAN REPUBLIC	12	2	0	0	1	3	27	0	1	0	1	9	11	92
CHAD	18	6	1	0	1	8	47	0	0	0	0	0	17	94
CONGO	32	15	3	0	2	20	65	0	1	0	1	3	31	97
EQUATORIAL GUINEA	6	1	0	0	0	1	20	0	0	0	0	0	5	83
GABON	38	7	1	0	1	9	27	1	3	1	5	15	33	87
SAO TOME & PRINCIPE	13	3	0	0	0	3	23	0	1	0	1	8	13	100
ZAIRE	270	61	43	5	10	119	49	4	5	4	13	5	245	91
CENTRAL AFRICA	958	197	107	9	37	350	40	10	32	5	47	5	865	90
ALGERIA	229	38	106	0	9	153	68	5	6	1	12	5	225	98
CANARY ISLANDS	1	0	0	0	0	0	0	0	0	0	0	0	1	100
EGYPT	1076	204	396	12	81	693	67	5	39	7	51	5	1034	96
LIBYA	69	4	25	0	4	33	52	1	0	0	1	2	64	93
MOROCCO	677	123	73	2	32	230	36	4	8	14	26	4	631	93
WESTERN SAHARA	5	0	0	0	0	0	0	0	0	0	0	0	5	100
SUDAN	357	76	95	2	24	197	59	4	8	2	14	4	332	93
TUNISIA	339	101	144	0	24	269	83	1	6	1	8	2	325	96
NORTH AFRICA	2753	546	839	16	174	1575	60	20	67	25	112	4	2617	95
SOUTHERN AFRICA, UNSPECIFIED	2	1	0	0	0	1	50	0	0	0	0	0	2	100
BOTSWANA	191	47	14	0	6	67	37	0	1	0	1	1	180	94
LESOTHO	40	12	7	1	2	22	59	0	1	0	1	3	37	93

ACADEMIC LEVEL

LOCATION	ST3 TOTAL	GRADUATE						OTHER				ACADEMIC TOTAL	
		MASTERS	DOCTOR	PRF TRNG	UNSPEC	TOTAL	% ACD	PR TRNG	NON DEG	INT ENGL	TOTAL	% ACD	TOTAL	% ST3
		NUM	NUM	NUM	NUM	NUM		NUM	NUM	NUM	NUM			
NAMIBIA	133	9	4	0	1	14	11	1	0	0	1	1	129	97
SOUTH AFRICA	1327	261	225	28	74	588	46	10	13	0	23	2	1290	97
SWAZILAND	119	19	20	1	7	47	40	0	3	2	5	4	117	98
SOUTHERN AFRICA	1812	349	270	30	90	739	42	11	18	2	31	2	1755	97
WEST AFRICA, UNSPECIFIED	11	0	0	0	0	0	0	0	0	0	0	0	9	82
CAPE VERDE	39	10	3	0	0	13	34	0	0	1	1	3	38	97
BENIN	30	10	9	0	1	20	71	0	0	0	0	0	28	93
GAMBIA	147	17	3	1	3	24	18	1	1	0	2	1	135	92
GHANA	651	139	143	6	38	326	52	9	6	1	16	3	632	97
GUINEA	31	13	6	0	2	21	70	0	0	0	0	0	30	97
GUINEA-BISSAU	8	0	1	0	0	1	14	0	0	0	0	0	7	88
COTE D'IVOIRE	218	44	34	1	13	92	45	2	9	4	15	7	204	94
LIBERIA	292	55	25	3	12	95	35	3	3	0	6	2	273	93
MALI	83	27	22	0	9	58	71	0	3	1	4	5	82	99
MAURITANIA	33	11	8	0	2	21	66	0	1	3	4	13	32	97
NIGER	46	16	13	0	3	32	71	0	0	0	0	0	45	98
NIGERIA	1812	306	262	19	137	724	43	13	54	1	68	4	1679	93
SENEGAL	167	32	19	0	8	59	39	0	6	4	10	7	153	92
SIERRA LEONE	218	40	36	5	1	82	38	1	8	2	11	5	214	98
TOGO	59	18	8	0	7	33	57	0	3	1	4	7	58	98
BURKINA FASO	31	5	13	0	5	23	77	0	2	0	2	7	30	97
WEST AFRICA	3876	743	605	35	241	1624	45	29	96	18	143	4	3649	94
AFRICA, UNSPECIFIED	13	0	0	0	0	0	0	0	0	0	0	0	11	85
AFRICA REGION UNSPECIFIED	13	0	0	0	0	0	0	0	0	0	0	0	11	85
AFRICA	14091	2604	2369	141	754	5868	44	118	278	64	460	3	13384	95
EAST ASIA, UNSPECIFIED	1	1	0	0	0	1	100	0	0	0	0	0	1	100
CHINA	28217	7223	11342	136	3335	22036	83	350	291	180	821	3	26476	94
TAIWAN	22398	6930	4662	126	2477	14195	68	216	399	435	1050	5	20769	93
HONG KONG	7785	967	598	37	218	1820	25	80	70	53	203	3	7331	94
JAPAN	26167	2932	845	113	641	4531	18	139	834	1938	2911	12	24834	95
KOREA,DEMOCRATIC PEOPLES REPUB	41	13	6	0	2	21	54	0	2	0	2	5	39	95
KOREA, REPUBLIC OF	16740	3078	4895	138	1515	9626	61	68	365	760	1193	8	15832	95
MACAO	136	16	5	0	2	23	17	3	2	1	6	4	134	99
MONGOLIA	9	2	0	0	6	8	89	0	0	0	0	0	9	100
EAST ASIA	101494	21162	22353	550	8196	52261	55	856	1963	3367	6186	6	95425	94
SOUTH CENTRAL ASIA,UNSPECIFIED	12	0	0	0	12	12	100	0	0	0	0	0	12	100
AFGHANISTAN	75	19	4	0	4	27	38	0	4	1	5	7	71	95
BANGLADESH	1775	351	217	3	85	656	39	18	15	7	40	2	1691	95
BHUTAN	19	4	0	0	0	4	21	0	1	0	1	5	19	100
INDIA	21821	8504	5068	82	2439	16093	79	282	154	5	441	2	20364	93
MALDIVES	2	0	0	0	0	0	0	0	0	0	0	0	2	100
NEPAL	621	86	88	1	22	197	33	5	7	0	12	2	593	95
PAKISTAN	5426	926	509	30	292	1757	34	38	39	13	90	2	5147	95
SRI LANKA	1610	263	312	5	86	666	43	10	21	1	32	2	1539	96
TAJIKISTAN	8	5	0	0	0	5	63	0	0	0	0	0	8	100

B.3 ACADEMIC LEVEL BY COUNTRY OF ORIGIN

GRADUATE • OTHER

(continued on next page)

LOCATION	ST3 TOTAL	GRADUATE MASTERS NUM	GRADUATE DOCTOR NUM	GRADUATE PRF TRNG NUM	GRADUATE UNSPEC NUM	GRADUATE TOTAL NUM	GRADUATE TOTAL % ACD	OTHER PR TRNG NUM	OTHER NON DEG NUM	OTHER INT ENGL NUM	OTHER TOTAL NUM	OTHER TOTAL % ACD	ACADEMIC TOTAL	ACADEMIC TOTAL % ST3
SOUTH CENTRAL ASIA	31369	10158	6198	121	2940	19417	66	353	241	27	621	2	29446	94
SOUTH-EAST ASIA, UNSPECIFIED	4	0	0	0	1	1	25	0	0	0	0	0	4	100
BRUNEI	13	3	0	0	0	3	27	0	0	0	0	0	11	85
MYANMAR	242	51	28	1	12	92	40	1	4	2	7	3	232	96
INDONESIA	6407	1177	393	56	270	1896	32	32	162	87	281	5	5930	93
CAMBODIA	68	3	0	0	0	3	4	0	0	3	3	4	67	99
LAOS	43	2	0	0	1	3	7	0	1	10	11	26	42	98
MALAYSIA	8655	812	405	28	241	1486	18	112	44	24	180	2	8140	94
PHILIPPINES	2433	459	378	40	154	1031	45	21	45	18	84	4	2312	95
SINGAPORE	3214	402	227	11	92	732	24	23	21	2	46	2	2997	93
THAILAND	4856	1433	449	36	528	2446	56	28	102	226	356	8	4370	90
VIETNAM	321	20	5	7	4	36	11	0	8	34	42	13	316	98
SOUTH-EAST ASIA	26256	4362	1885	179	1303	7729	32	217	387	406	1010	4	24421	93
BAHRAIN	201	19	17	0	9	45	23	0	6	6	12	6	192	96
CYPRUS	1125	150	119	5	35	309	28	16	23	5	44	4	1112	99
IRAN	3023	365	623	98	188	1274	45	45	44	19	108	4	2842	94
IRAQ	268	28	94	3	19	144	55	2	2	3	7	3	260	97
ISRAEL	1895	253	385	16	139	793	45	14	29	23	66	4	1757	93
JORDAN	2469	294	309	17	124	744	32	11	21	23	55	2	2291	93
KUWAIT	1161	75	75	9	17	176	16	3	46	37	86	8	1103	95
LEBANON	1906	355	285	12	67	719	40	20	26	6	52	3	1790	94
OMAN	260	30	9	0	4	43	17	0	23	8	31	13	246	95
QATAR	285	29	10	0	12	51	19	0	4	6	10	4	274	96
SAUDI ARABIA	2543	438	434	27	95	994	42	3	72	143	218	9	2351	92
SYRIA	660	105	81	8	23	217	37	10	11	17	38	6	594	90
TURKEY	3053	730	652	22	273	1677	57	27	64	117	208	7	2917	96
UNITED ARAB EMIRATES	985	50	19	2	6	77	8	2	19	54	75	8	909	92
YEMEN	312	32	37	1	5	75	25	0	9	3	12	4	297	95
MIDDLE EAST	20146	2953	3149	220	1016	7338	39	153	399	470	1022	5	18935	94
ASIA	179265	38635	33585	1070	13455	86745	52	1579	2990	4270	8839	5	168227	94
ALBANIA	5	3	0	0	1	4	80	0	0	0	0	0	5	100
BULGARIA	434	53	65	1	20	139	33	1	6	7	14	3	418	96
CZECHOSLOVAKIA	271	45	62	2	17	126	48	0	16	15	31	12	263	97
HUNGARY	478	81	117	4	35	237	53	3	16	12	31	7	448	94
POLAND	806	97	205	12	49	363	47	5	25	21	51	7	769	95
ROMANIA	286	52	88	0	16	156	56	0	5	5	10	4	277	97
AZERBAIJAN	1	0	0	0	0	0	0	0	0	0	0	0	1	100
U. S. S. R.	1225	232	206	3	95	536	46	0	116	30	146	13	1159	95
BELARUS	1	0	0	1	0	1	100	0	0	0	0	0	1	100
UKRAINE	18	1	0	0	0	1	9	0	1	0	1	9	11	61
ESTONIA	17	5	1	0	0	6	35	0	0	0	0	0	17	100
LATVIA	10	6	0	0	0	6	67	0	0	0	0	0	9	90
LITHUANIA	19	4	3	0	0	7	44	0	1	0	1	6	16	84
RUSSIA	74	1	3	0	2	6	8	0	12	7	19	26	73	99

LOCATION	ST3 TOTAL	ACADEMIC LEVEL: GRADUATE MASTERS NUM	GRADUATE DOCTOR NUM	GRADUATE PRF TRNG NUM	GRADUATE UNSPEC NUM	GRADUATE TOTAL NUM	GRADUATE TOTAL % ACD	OTHER PR TRNG NUM	OTHER NON DEG NUM	OTHER INT ENGL NUM	OTHER TOTAL NUM	OTHER TOTAL % ACD	ACADEMIC TOTAL TOTAL	ACADEMIC TOTAL % ST3
GEORGIA	5	0	0	0	0	0	0	0	1	0	1	20	5	100
YUGOSLAVIA	981	182	274	3	67	526	56	15	16	8	39	4	938	96
CROATIA	2	0	0	0	0	0	0	0	0	0	0	0	1	50
EASTERN EUROPE	4633	762	1024	26	302	2114	48	24	215	105	344	8	4411	95
WESTERN EUROPE, UNSPECIFIED	1	1	0	0	0	1	100	0	0	0	0	0	1	100
ANDORRA	4	0	0	0	0	0	0	0	0	0	0	0	4	100
AUSTRIA	447	90	60	8	20	178	41	6	42	4	52	12	435	97
BELGIUM	560	140	130	9	32	311	57	3	16	4	23	4	544	97
DENMARK	532	61	52	17	28	158	31	4	47	3	54	11	506	95
FINLAND	622	74	79	2	34	189	32	2	37	6	45	8	598	96
FRANCE	3395	883	419	45	233	1580	49	25	182	83	290	9	3226	95
GERMANY	5039	1109	738	43	469	2359	49	30	359	29	418	9	4831	96
GIBRALTAR	5	0	1	0	0	1	25	0	1	0	1	25	4	80
GREECE	2815	554	677	37	182	1450	55	22	18	20	60	2	2647	94
VATICAN CITY	4	0	0	0	0	0	0	0	0	0	0	0	4	100
ICELAND	435	94	72	2	29	197	47	4	3	1	8	2	420	97
IRELAND	743	131	128	11	49	319	46	8	34	0	42	6	693	93
ITALY	1536	270	302	26	94	692	46	14	68	78	160	11	1490	97
LIECHTENSTEIN	4	0	0	0	0	0	0	0	0	1	1	25	4	100
LUXEMBOURG	23	7	4	1	0	12	55	0	3	0	3	14	22	96
MALTA	33	2	3	1	0	6	19	0	1	0	1	3	32	97
MONACO	5	0	0	0	0	0	0	0	0	1	1	20	5	100
NETHERLANDS	1497	227	257	10	83	577	40	9	61	7	77	5	1454	97
NORWAY	1526	243	50	17	53	363	24	9	24	4	37	2	1483	97
PORTUGAL	500	90	129	3	35	257	54	1	10	5	16	3	478	96
SPAIN	3275	504	337	26	157	1024	33	19	85	116	220	7	3123	95
SWEDEN	1481	136	66	7	45	254	18	6	54	8	68	5	1392	94
SWITZERLAND	891	130	95	13	38	276	32	4	63	34	101	12	851	96
UNITED KINGDOM	5095	767	656	56	213	1692	36	35	186	3	224	5	4659	91
ENGLAND	1	0	0	0	0	0	0	0	0	0	0	0	1	100
WESTERN EUROPE	30469	5513	4255	334	1794	11896	41	201	1294	407	1902	7	28907	95
EUROPE	35102	6275	5279	360	2096	14010	42	225	1509	512	2246	7	33318	95
CARIBBEAN, UNSPECIFIED	163	15	4	8	6	33	21	0	3	0	3	2	160	98
ARUBA	22	0	1	1	0	2	10	0	0	0	0	0	20	91
BAHAMAS	1259	76	27	19	6	128	10	4	8	0	12	1	1234	98
BARBADOS	322	46	19	4	8	77	25	1	2	0	3	1	314	98
CAYMAN ISLANDS	83	1	1	0	0	2	3	0	0	0	0	0	78	94
CUBA	54	3	5	1	1	10	19	0	1	6	7	13	54	100
DOMINICAN REPUBLIC	656	142	38	1	22	203	31	7	6	11	24	4	645	98
GUADELOUPE	11	0	0	0	0	0	0	0	0	0	0	0	11	100
HAITI	566	39	11	3	7	60	11	1	2	15	18	3	555	98
JAMAICA	1794	220	63	21	60	364	21	8	13	0	21	1	1751	98

(continued on next page)

LOCATION	ST3 TOTAL	GRADUATE MASTERS	GRADUATE DOCTOR	GRADUATE PRF TRNG	GRADUATE UNSPEC	GRADUATE TOTAL NUM	GRADUATE TOTAL % ACD	OTHER PR TRNG	OTHER NON DEG	OTHER INT ENGL	OTHER TOTAL NUM	OTHER TOTAL % ACD	ACADEMIC TOTAL	ACADEMIC TOTAL % ST3
		NUM	NUM	NUM	NUM									
LEEWARD ISLANDS	6	0	0	0	0	0	0	0	0	0	0	0	6	100
ANTIGUA	116	5	5	2	3	15	14	0	0	0	0	0	110	95
BRITISH VIRGIN ISLANDS	50	2	3	0	2	7	14	1	0	0	1	2	50	100
MONTSERRAT	9	1	0	0	0	1	11	0	0	0	0	0	9	100
ST. KITTS-NEVIS	44	3	5	1	1	10	23	0	0	0	0	0	44	100
ANGUILLA	6	2	1	1	0	4	67	0	0	0	0	0	6	100
MARTINIQUE	8	0	0	0	0	0	0	0	0	0	0	0	8	100
NETHERLANDS ANTILLES	347	27	4	4	4	39	12	2	1	1	4	1	319	92
TRINIDAD & TOBAGO	1423	156	68	17	33	274	20	7	13	0	20	1	1349	95
TURKS & CAICOS ISLANDS	14	0	0	0	0	0	0	0	0	0	0	0	13	93
WINDWARD ISLANDS	2	0	1	0	0	1	50	0	0	0	0	0	2	100
DOMINICA	85	5	2	1	1	9	11	1	0	0	1	1	84	99
GRENADA	95	5	7	1	2	15	16	2	2	0	4	4	91	96
ST. LUCIA	52	7	2	0	0	9	18	0	0	0	0	0	51	98
ST. VINCENT	64	1	4	0	1	6	10	0	1	0	1	2	59	92
CARIBBEAN	7251	756	271	85	157	1269	18	34	52	33	119	2	7023	97
BELIZE	195	23	12	2	4	41	22	0	0	1	1	1	187	96
COSTA RICA	686	162	83	4	44	293	44	10	18	10	38	6	668	97
EL SALVADOR	611	64	21	2	8	95	16	7	16	9	32	5	597	98
GUATEMALA	490	74	50	5	9	138	29	6	7	9	22	5	481	98
HONDURAS	781	90	35	4	13	142	19	14	2	21	37	5	746	96
MEXICO	4541	735	575	30	184	1524	34	20	111	229	360	8	4451	98
NICARAGUA	422	51	37	3	5	96	24	19	3	11	33	8	407	96
PANAMA	1109	101	32	7	28	168	15	12	15	19	46	4	1088	98
CENTRAL AMERICA	8835	1300	845	57	295	2497	29	88	172	309	569	7	8625	98
SOUTH AMERICA, UNSPECIFIED	5	0	0	0	0	0	0	0	0	0	0	0	5	100
ARGENTINA	1343	308	256	5	88	657	51	11	25	13	49	4	1294	96
BOLIVIA	606	82	24	4	14	124	21	2	11	13	26	4	584	96
BRAZIL	2868	492	668	23	161	1344	49	15	76	71	162	6	2718	95
CHILE	617	129	171	6	35	341	57	12	13	7	32	5	601	97
COLOMBIA	1929	449	190	15	79	733	39	29	23	132	184	10	1888	98
ECUADOR	816	118	43	3	45	209	26	2	22	22	46	6	795	97
FALKLAND ISLANDS	2	0	0	0	0	0	0	0	0	0	0	0	2	100
FRENCH GUIANA	8	0	0	0	1	1	13	0	0	0	0	0	8	100
GUYANA	262	39	35	7	14	95	37	1	6	0	7	3	254	97
PARAGUAY	187	33	6	1	9	49	28	1	11	0	12	7	173	93
PERU	1688	308	179	7	46	540	33	16	28	37	81	5	1620	96
SURINAME	132	12	6	1	3	22	17	2	0	1	3	2	130	98
URUGUAY	142	47	22	3	10	82	58	1	2	1	4	3	141	99
VENEZUELA	2167	452	178	6	83	719	35	5	51	166	222	11	2084	96
SOUTH AMERICA	12772	2469	1778	81	588	4916	40	97	268	463	828	7	12297	96
LATIN AMERICA	28858	4525	2894	223	1040	8682	31	219	492	805	1516	5	27945	97
BERMUDA	362	26	6	3	6	41	11	2	0	0	2	1	357	99
CANADA	11967	1915	1808	671	483	4877	43	89	118	5	212	2	11322	95
NORTH AMERICAN REGION	12329	1941	1814	674	489	4918	42	91	118	5	214	2	11679	95

LOCATION	ST3 TOTAL	GRADUATE MASTERS NUM	DOCTOR NUM	PRF TRNG NUM	UNSPEC NUM	TOTAL NUM	% ACD	PR TRNG NUM	OTHER NON DEG NUM	INT ENGL NUM	TOTAL NUM	% ACD	ACADEMIC TOTAL	% ST3
NORTH AMERICA	12329	1941	1814	574	489	4918	42	91	118	5	214	2	11679	95
AUSTRALIA	1229	242	260	14	81	597	51	8	44	1	53	4	1180	96
NEW ZEALAND	436	85	110	8	23	226	54	6	15	0	21	5	422	97
AUSTRALIA + NEW ZEALAND	1665	327	370	22	104	823	51	14	59	1	74	5	1602	96
SOLOMON ISLANDS	1	0	0	0	0	0	0	0	0	0	0	0	0	0
FIJI	45	4	1	1	1	7	16	0	2	0	2	4	45	100
FRENCH POLYNESIA	18	1	0	0	1	2	11	0	0	0	0	0	18	100
KIRIBATI	1	0	0	0	1	1	100	0	0	0	0	0	1	100
MARSHALL ISLANDS	13	0	0	0	0	0	0	0	0	0	0	0	12	92
NAURU	1	0	0	0	1	1	100	0	0	0	0	0	1	100
NEW CALEDONIA	5	1	1	0	0	2	40	0	0	0	0	0	5	100
PAPUA-NEW GUINEA	11	4	2	1	0	7	64	0	0	0	0	0	11	100
VANUATU	1	0	0	0	0	0	0	0	0	0	0	0	1	100
NORFOLK ISLAND	1	0	0	0	0	0	0	0	0	0	0	0	1	100
MICRONESIA, FED STATES OF	491	4	1	0	1	6	1	0	42	78	120	25	485	99
PALAU	180	2	0	0	3	5	3	1	0	0	1	1	177	98
TONGA	25	2	0	0	0	2	9	0	1	1	2	9	22	88
TUVALU	1	0	0	0	0	0	0	0	0	0	0	0	1	100
WESTERN SAMOA	41	2	2	5	0	9	22	0	0	0	0	0	41	100
PACIFIC OCEAN ISLAND AREAS	835	20	7	7	8	42	5	1	45	79	125	15	821	98
OCEANIA	2500	347	377	29	112	865	36	15	104	80	199	8	2423	97
STATELESS	99	19	9	0	2	30	33	1	2	1	4	4	92	93
COUNTRY UNKNOWN	34	9	5	1	0	15	44	0	0	0	0	0	34	100
STATELESS REGION	133	28	14	1	2	45	36	1	2	1	4	3	126	95
STATELESS OR UNKNOWN	133	28	14	1	2	45	36	1	2	1	4	3	126	95
FINAL TOTALS	273521	54528	46397	2516	17963	121404	47	2253	5551	5753	13557	5	257987	94

C. CODES AND SURVEY MATERIALS

C.1 FIELD OF STUDY CODES

MAJOR FIELD-OF-STUDY CATEGORIES

AGRICULTURE
01 Agribusiness and Agricultural Production
02 Agricultural Sciences
03 Renewable Natural Resources

ARCHITECTURE AND ENVIRONMENTAL DESIGN
04 Architecture and Environmental Design

AREA AND ETHNIC STUDIES
05 Area and Ethnic Studies

BUSINESS
06 Business and Management
07 Business and Office
08 Business and Distribution

COMMUNICATIONS
09 Communications
10 Communication Technologies

COMPUTER AND INFORMATION SCIENCES
11 Computer and Information Sciences

CONSUMER, PERSONAL & MISCELLANEOUS SERVICES
12 Consumer, Personal and Miscellaneous Services

EDUCATION
13 Education

ENGINEERING
14 Engineering
15 Engineering and Engineering-Related Technologies

FOREIGN LANGUAGES
16 Foreign Languages

HEALTH
17 Allied Health
18 Health Science

HOME ECONOMICS
19 Home Economics
20 Vocational Home Economics

INDUSTRIAL ARTS
21 Industrial Arts

LAW
22 Law

LETTERS
23 Letters

LIBERAL/GENERAL STUDIES
24 Liberal/General Studies

LIBRARY AND ARCHIVAL SCIENCES
25 Library and Archival Sciences

LIFE SCIENCES
26 Life Sciences

MATHEMATICS
27 Mathematics

MILITARY SCIENCES
28 Military Sciences
29 Military Technologies

MULTI/INTERDISCIPLINARY STUDIES
30 Multi/Interdisciplinary Studies

PARKS AND RECREATION
31 Parks and Recreation

PERSONAL AND SOCIAL DEVELOPMENT
32 Basic Skills
33 Citizenship/Civic Activities
34 Health-Related Activities
35 Interpersonal Skills
36 Leisure and Recreational Activities
37 Personal Awareness

PHILOSOPHY, RELIGION AND THEOLOGY
38 Philosophy, Religion
39 Theology

PHYSICAL SCIENCES
40 Physical Sciences
41 Science Technology

PSYCHOLOGY
42 Psychology

PUBLIC AFFAIRS AND PROTECTIVE SERVICES
43 Protective Services
44 Public Affairs

SOCIAL SCIENCES
45 Social Sciences

TRADE AND INDUSTRIAL
46 Construction Trades
47 Mechanics and Repairers
48 Precision Production
49 Transportation and Material Moving

VISUAL AND PERFORMING ARTS
50 Visual and Performing Arts

INTENSIVE ENGLISH LANGUAGE
60 Intensive English Language

UNDECLARED
90 Undeclared

DETAILED FIELD-OF-STUDY CATEGORIES

A classification of instructional programs produced by the National Center for Education Statistics

CODE	FIELD OF STUDY
01.0000	**AGRIBUSINESS AND AGRICULTURAL PRODUCTION**
01.0101	Agricultural business and management, general
01.0102	Agricultural business
01.0103	Agricultural economics
01.0104	Farm and ranch management
01.0199	Agricultural business and management, other
01.0201	Agricultural mechanics, general
01.0202	Agricultural electrification, power, and controls
01.0203	Agricultural mechanics, construction, and maintenance skills
01.0204	Agricultural power machinery
01.0205	Agricultural structures, equipment, and facilities
01.0206	Soil and water mechanical practices
01.0299	Agricultural mechanics, other
01.0301	Agricultural production, general
01.0302	Animal production
01.0303	Aquaculture
01.0304	Crop production
01.0305	Game farm management
01.0399	Agricultural production, other
01.0401	Agricultural products and processing, general
01.0402	Food products
01.0403	Nonfood products
01.0499	Agricultural products and processing, other
01.0501	Agricultural services and supplies, general
01.0502	Agricultural services
01.0503	Agricultural supplies marketing
01.0504	Pet grooming
01.0505	Animal training
01.0506	Horseshoeing
01.0507	Horse Handling and Care
01.0599	Agricultural services and supplies, other
01.0601	Horticulture, general
01.0602	Arboriculture
01.0603	Ornamental Horticulture
01.0604	Greenhouse operation and management
01.0605	Landscaping
01.0606	Nursery operation and management
01.0607	Turf management
01.0699	Horticulture, other
01.0701	International agriculture
01.9999	Agribusiness and agricultural production, other
02.0000	**AGRICULTURAL SCIENCES**
02.0101	Agricultural sciences, general
02.0201	Animal sciences, general
02.0202	Animal breeding and genetics
02.0203	Animal health
02.0204	Animal nutrition
02.0205	Animal physiology
02.0206	Dairy
02.0207	Fisheries science
02.0208	Livestock
02.0209	Poultry
02.0299	Animal sciences, other
02.0301	Food sciences
02.0302	Dairy processing
02.0303	Food distribution
02.0304	Food engineering
02.0305	Food packaging
02.0306	Food technology
02.0399	Food sciences, other
02.0401	Plant sciences, general
02.0402	Agronomy
02.0403	Horticulture science
02.0404	Ornamental horticulture
02.0405	Plant breeding and genetics
02.0406	Plant pathology (applied)
02.0407	Plant physiology
02.0408	Plant protection (pest management)
02.0409	Range management
02.0410	Turf management science
02.0499	Plant sciences, other
02.0501	Soil sciences
02.0502	Soil chemistry
02.0503	Soil conservation
02.0504	Soil management and fertility
02.0505	Soil microbiology
02.0506	Soil physics
02.0599	Soil sciences, other
02.9999	Agricultural sciences, other
03.0000	**RENEWABLE NATURAL RESOURCES**
03.0101	Renewable natural resources, general
03.0201	Conservation and regulation, general
03.0202	Conservation
03.0203	Resources protection and regulation
03.0299	Conservation and regulation, other
03.0301	Fishing and fisheries
03.0302	Fisheries
03.0399	Fishing and fisheries, other
03.0401	Forestry production and processing, general
03.0402	Forest production
03.0403	Forest products utilization
03.0404	Forest products processing technology
03.0405	Logging
03.0406	Pulp and paper production
03.0499	Forestry production and processing, other
03.0501	Forestry and related sciences, general
03.0502	Forestry science
03.0503	Forest biology
03.0504	Forest engineering
03.0505	Forest hydrology
03.0506	Forest management
03.0507	Forest mensuration
03.0508	Urban forestry
03.0509	Wood science
03.0599	Forestry and related sciences, other
03.0601	Wildlife management
03.9999	Renewable natural resources, other
04.0000	**ARCHITECTURE AND ENVIRONMENTAL DESIGN**
04.0101	Architecture and environmental design, general
04.0201	Architecture
04.0301	City, community, and regional planning
04.0401	Environmental design
04.0501	Interior design
04.0601	Landscape architecture
04.0701	Urban design
04.0801	Land Use Management and Reclamation
04.9999	Architecture and environmental design, other
05.0000	**AREA AND ETHNIC STUDIES**
05.0101	African studies
05.0102	American studies
05.0103	Asian studies, general
05.0104	East Asian studies
05.0105	Eastern European studies
05.0106	European studies, general
05.0107	Latin American studies
05.0108	Middle Eastern studies
05.0109	Pacific area studies
05.0110	Russian and Slavic studies
05.0111	Scandinavian studies
05.0112	South Asian studies

05.0113 Southeast Asian studies
05.0114 Western European studies
05.0115 Canadian Studies
05.0199 Area Studies, other
05.0201 Afro-American (black) studies
05.0202 American Indian studies
05.0203 Hispanic-American studies
05.0204 Islamic studies
05.0205 Jewish studies
05.0299 Ethnic studies, other
05.9999 Area and ethnic studies, other

06.0000 BUSINESS AND MANAGEMENT
06.0101 Business and management, general
06.0201 Accounting
06.0301 Banking and finance
06.0401 Business administration and management, general
06.0402 Contract management and procurement/purchasing
06.0403 Product management
06.0404 Systems efficiency analysis
06.0499 Business administration and management, other
06.0501 Business economics
06.0601 Human resources development
06.0701 Hotel/motel management
06.0702 Recreational enterprises management
06.0703 Resort management
06.0704 Restaurant management
06.0705 Transportation management
06.0799 Institutional management, other
06.0801 Insurance and risk management
06.0901 International business management
06.1001 Investments and securities
06.1101 Labor/industrial relations
06.1201 Management information systems
06.1301 Business statistics
06.1302 Operations research (quantitative methods)
06.1303 Management Science, General
06.1399 Management science, other
06.1401 Marketing management
06.1402 Marketing research
06.1499 Marketing management and research, other
06.1501 Organizational behavior
06.1601 Personnel management
06.1701 Real estate
06.1702 Commercial property
06.1703 Property management
06.1704 Real estate appraisal
06.1705 Real estate finance
06.1706 Real estate law
06.1707 Residential property
06.1799 Real estate, other
06.1801 Small business management and Ownership
06.1802 Small business ownership
06.1899 Small business management and ownership, other
06.1901 Taxation
06.2001 Trade and industrial supervision and management
06.2101 Computer Installation Management
06.9999 Business and management, other

07.0000 BUSINESS (ADMINISTRATIVE SUPPORT)
07.0101 Accounting, bookkeeping, and related programs, general
07.0102 Accounting and computing
07.0103 Bookkeeping
07.0104 Machine billing, bookkeeping, and computing
07.0199 Accounting, bookkeeping, and related programs, other
07.0201 Banking and related financial programs, general
07.0202 Credit collection clerk
07.0203 Insurance clerk
07.0204 Loan clerk
07.0205 Teller
07.0206 Transit clerk
07.0299 Banking and related financial programs, other
07.0300 Business data processing and related programs
07.0301 Business data processing and related programs, general
07.0302 Business computer and console operation
07.0303 Business data entry equipment operation
07.0304 Business data peripheral equipment operation
07.0305 Business data programming
07.0306 Business systems analysis
07.0399 Business data processing and related programs, other
07.0401 Office supervision and management
07.0501 Personnel and training programs, general
07.0502 Training assisting
07.0503 Personnel assisting
07.0599 Personnel and training programs, other
07.0601 Secretarial and related programs, general
07.0602 Court reporting
07.0603 Executive secretarial
07.0604 Legal secretarial
07.0605 Medical secretarial
07.0606 Secretarial
07.0607 Stenographic
07.0699 Secretarial and related programs, other
07.0701 Typing, general office, and related programs, general
07.0702 Clerk-typist
07.0703 Correspondence clerk
07.0704 Duplicating machine operation
07.0705 General office clerk
07.0706 Mail and order clerk
07.0707 Receptionist and communication systems operation
07.0708 Shipping, receiving, and stock clerk
07.0709 Traffic, rate, and transportation clerk
07.0710 Typing
07.0799 Typing, general office, and related programs, other
07.0801 Word Processing
07.9999 Business (Administrative Support), other

08.0000 MARKETING AND DISTRIBUTION
08.0101 Apparel and accessories marketing, general
08.0102 Fashion merchandising
08.0103 Fashion modeling
08.0104 Footwear marketing
08.0105 Jewelry marketing
08.0199 Apparel and accessories marketing, other
08.0201 Business and personal services marketing, other
08.0202 Display
08.0203 Marketing of business or personal services
08.0299 Business and personal services marketing, other
08.0301 Entrepreneurship
08.0401 Financial services marketing
08.0402 Banking marketing
08.0403 Credit marketing
08.0404 Credit union marketing
08.0405 Savings and loan marketing
08.0406 Securities and commodities marketing
08.0499 Financial services marketing, other
08.0501 Floristry, farm, and garden supplies marketing, general
08.0502 Farm and garden supplies marketing
08.0503 Floristry
08.0599 Floristry, farm, and garden supplies marketing, other
08.0601 Food marketing, general
08.0602 Convenience store marketing
08.0603 Specialty foods marketing
08.0604 Supermarket marketing
08.0605 Wholesale food marketing
08.0699 Food marketing, other
08.0701 Auctioneering
08.0702 Industrial sales
08.0703 International marketing
08.0704 Purchasing
08.0705 Retailing
08.0706 Sales
08.0707 Wholesaling
08.0708 Marketing, General
08.0799 General marketing, other
08.0801 Home and office products marketing, general
08.0802 Appliance marketing
08.0803 Building materials marketing
08.0804 Floor coverings, draperies, and upholstery marketing
08.0805 Furniture marketing
08.0806 Hardware marketing
08.0807 Office products and equipment marketing

08.0808 Speciality home furnishing marketing
08.0899 Home and office products marketing, other
08.0901 Hospitality and recreation marketing, general
08.0902 Marketing of hotel/motel services
08.0903 Marketing of recreational services
08.0904 Recreational products marketing
08.0905 Waiter/waitress and related services
08.0999 Hospitality and recreation marketing, other
08.1001 Insurance marketing
08.1002 Accident and health insurance marketing
08.1003 Life insurance marketing
08.1004 Property and casualty insurance marketing
08.1099 Insurance marketing, other
08.1101 Transportation and travel marketing, general
08.1102 Transportation marketing
08.1103 Passenger transportation marketing
08.1104 Tourism
08.1105 Travel services marketing
08.1106 Warehouse services marketing
08.1199 Transportation and travel marketing, other
08.1201 Vehicles and petroleum marketing, general
08.1202 Agricultural implements and machinery marketing
08.1203 Automotive vehicles and accessories marketing
08.1204 Petroleum wholesaling
08.1205 Recreational vehicles and accessories marketing
08.1206 Service station retailing
08.1207 Vehicle rental and leasing
08.1299 Vehicles and petroleum marketing, other
08.9999 Marketing and distribution, other

09.0000 COMMUNICATIONS
09.0101 Communications, general
09.0201 Advertising
09.0301 Communications research
09.0401 Journalism (mass communications)
09.0501 Public relations
09.0601 Radio/television news broadcasting
09.0701 Radio/television, general
09.0801 Telecommunications
09.9999 Communications, other

10.0000 COMMUNICATION TECHNOLOGIES
10.0101 Educational media technology
10.0102 Motion picture technology
10.0103 Photographic technology
10.0104 Radio and television production and broadcasting technology
10.0105 Sound Recording Technology
10.0106 Video Technology
10.0199 Communication technologies, other

11.0000 COMPUTER AND INFORMATION SCIENCES
11.0101 Computer and information sciences, general
11.0201 Computer programming
11.0301 Data processing
11.0401 Information sciences and systems
11.0501 Systems analysis
11.0601 Microcomputer Applications
11.9999 Computer and information sciences, other

12.0000 CONSUMER, PERSONAL, AND MISCELLANEOUS SERVICES
12.0101 Drycleaning and laundering services
12.0102 Drycleaning
12.0103 Laundering
12.0199 Drycleaning and laundering services, other
12.0201 Entertainment services, general
12.0202 Bartending
12.0203 Card dealing
12.0204 Umpiring
12.0299 Entertainment services, other
12.0301 Funeral services
12.0401 Personal services, general
12.0402 Barbering/Hairstyling
12.0403 Cosmetology
12.0404 Electrolysis
12.0405 Massage
12.0406 Make-up Artistry
12.0499 Personal services, other
12.9999 Consumer, personal, and miscellaneous services, other

13.0000 EDUCATION
13.0101 Education, general
13.0201 Bilingual/Crosscultural Education
13.0202 Bilingual Education Assisting
13.0299 Bilingual/Crosscultural Education, other
13.0301 Curriculum and instruction
13.0401 Education administration, general
13.0402 Administration of special education
13.0403 Adult and continuing education administration
13.0404 Educational supervision
13.0405 Elementary and secondary education administration
13.0406 Higher education administration
13.0407 Community college education administration
13.0499 Education administration, other
13.0501 Educational media
13.0601 Evaluation and research, general
13.0602 Adult and continuing education research
13.0603 Educational statistics and research
13.0604 Educational testing, evaluation, and measurement
13.0605 Elementary and secondary research
13.0606 Higher education research
13.0699 Evaluation and research, other
13.0701 International and comparative education
13.0801 School psychology
13.0901 Social foundations
13.1001 Special education, general
13.1002 Education of the culturally disadvantaged
13.1003 Education of the deaf and hearing impaired
13.1004 Education of the gifted and talented
13.1005 Education of the emotionally handicapped
13.1006 Education of the mentally handicapped
13.1007 Education of the multiple handicapped
13.1008 Education of the physically handicapped
13.1009 Education of the visually handicapped
13.1010 Remedial education
13.1011 Specific learning disabilities
13.1012 Speech correction
13.1099 Special education, other
13.1101 Student counseling and personnel services
13.1201 Adult and continuing education
13.1202 Elementary education
13.1203 Junior high/Middle School education
13.1204 Pre-elementary education
13.1205 Secondary education
13.1299 Teacher education, general programs, other
13.1301 Agricultural education
13.1302 Art education
13.1303 Business education
13.1304 Driver and safety education
13.1305 English education
13.1306 Foreign languages education
13.1307 Health education
13.1308 Home economics education
13.1309 Industrial arts education
13.1310 Marketing and distributive education
13.1311 Mathematics education
13.1312 Music education
13.1313 Nutritional education
13.1314 Physical education
13.1315 Reading education
13.1316 Science education
13.1317 Social science education
13.1318 Social studies education
13.1319 Technical education
13.1320 Trade and industrial education
13.1321 Computer Education
13.1399 Teacher education, specific subject areas, other
13.1401 Teaching English as a second language/foreign language
13.1501 Teacher Assisting
13.9999 Education, other

14.0000 ENGINEERING
14.0101 Engineering, general
14.0201 Aerospace, aeronautical, and astronautical engineering
14.0301 Agricultural engineering
14.0401 Architectural engineering
14.0501 Bioengineering and biomedical engineering
14.0601 Ceramic engineering
14.0701 Chemical engineering
14.0801 Civil engineering
14.0901 Computer engineering
14.1001 Electrical, electronics, and communications engineering
14.1002 Microelectronic engineering
14.1101 Engineering mechanics
14.1201 Engineering physics
14.1301 Engineering science
14.1401 Environmental health engineering
14.1501 Geological engineering
14.1601 Geophysical engineering
14.1701 Industrial engineering
14.1801 Materials engineering
14.1901 Mechanical engineering
14.2001 Metallurgical engineering
14.2101 Mining and mineral engineering
14.2201 Naval architecture and marine engineering
14.2301 Nuclear engineering
14.2401 Ocean engineering
14.2501 Petroleum engineering
14.2601 Surveying and mapping sciences
14.2602 Cartography
14.2701 Systems engineering
14.2801 Textile engineering
14.9999 Engineering, other

15.0000 ENGINEERING AND ENGINEERING-RELATED TECHNOLOGIES
15.0101 Architectural design and construction technology
15.0102 Architectural interior design technology
15.0199 Architectural technologies, other
15.0201 Civil technology
15.0202 Drafting and design technology
15.0203 Surveying and mapping technology
15.0204 Urban planning technology
15.0299 Civil technologies, other
15.0301 Computer technology
15.0302 Electrical technology
15.0303 Electronic technology
15.0304 Laser electro-optic technology
15.0399 Electrical and electronic technologies, other
15.0401 Biomedical equipment technology
15.0402 Computer servicing technology
15.0403 Electromechanical technology
15.0404 Instrumentation technology
15.0405 Robotics technology
15.0499 Electromechanical instrumentation and maintenance technologies, other
15.0501 Air conditioning, heating, and refrigeration technology
15.0502 Air pollution control technology
15.0503 Energy conservation and use technology
15.0504 Sanitation technology
15.0505 Solar heating and cooling technology
15.0506 Water and wastewater technology
15.0599 Environmental control technologies, other
15.0601 Chemical manufacturing technology
15.0602 Food processing technology
15.0603 Industrial technology
15.0604 Manufacturing technology
15.0605 Marine products technology
15.0606 Optical technology
15.0607 Plastic technology
15.0608 Safety technology
15.0609 Textile technology
15.0610 Welding technology
15.0699 Industrial production technologies, other
15.0701 Occupational safety and health technologies, other
15.0702 Quality control technology
15.0799 Quality control and safety technologies, other
15.0801 Aeronautical technology
15.0802 Agricultural equipment technology
15.0803 Automotive technology
15.0804 Marine propulsion technology
15.0805 Mechanical design technology
15.0899 Mechanical and related technologies, other
15.0901 Coal mining technology
15.0902 Mining (excluding coal) technology
15.0903 Petroleum technology
15.0999 Mining and petroleum technologies, other
15.1001 Construction Technology
15.9999 Engineering and engineering-related technologies, other

16.0000 FOREIGN LANGUAGES
16.0101 Foreign languages, multiple emphasis
16.0201 African (non-semitic) languages
16.0301 Chinese
16.0302 Japanese
16.0303 Korean
16.0399 Asiatic languages, other
16.0401 Baltic languages
16.0402 Russian
16.0403 Slavic languages, (other than Russian)
16.0499 Balto-Slavic Languages, other
16.0501 German
16.0502 Scandinavian languages
16.0503 Yiddish
16.0599 Germanic languages, other
16.0601 Greek (classical)
16.0602 Greek (modern)
16.0701 Hindi
16.0702 Sanskrit
16.0703 Indic Languages
16.0799 Indic languages, other
16.0801 Iranian languages
16.0901 French
16.0902 Italian
16.0903 Latin
16.0904 Portuguese
16.0905 Spanish
16.0999 Italic languages, other
16.1001 Native American languages
16.1101 Arabic
16.1102 Hebrew
16.1199 Semitic languages, other
16.9999 Foreign languages, other

17.0000 ALLIED HEALTH
17.0101 Dental assisting
17.0102 Dental hygiene
17.0103 Dental laboratory technology
17.0199 Dental services, other
17.0201 Cardiovascular technology
17.0202 Dialysis technology
17.0203 Electrocardiographic technology
17.0204 Electroencephalogram technology
17.0205 Emergency medical technology — ambulance
17.0206 Emergency medical technology — paramedic
17.0207 Medical radiation dosimetry
17.0208 Nuclear medical technology
17.0209 Radiologic (Medical) Technology
17.0210 Respiratory therapy technology
17.0211 Surgical technology
17.0212 Diagnostic Medical Sonography
17.0299 Diagnostic and treatment services, other
17.0301 Blood bank technology
17.0302 Chemistry technology
17.0303 Clinical animal technology
17.0304 Clinical laboratory aide
17.0305 Clinical laboratory assisting
17.0306 Cytotechnology
17.0307 Hematology technology
17.0308 Histologic technology
17.0309 Medical laboratory technology
17.0310 Medical technology
17.0311 Microbiology technology
17.0399 Medical laboratory technologies, other
17.0401 Alcohol/drug abuse specialty

17.0402 Community health work
17.0403 Genetic counseling
17.0404 Home health aide
17.0405 Mental health/human services assisting
17.0406 Mental health/human services technology
17.0407 Rehabilitation counseling
17.0408 Therapeutic child care work
17.0409 Population and Family Planning
17.0410 Sign Language Interpreting
17.0499 Mental health/human services, other
17.0501 Animal technology
17.0502 Central supply technology
17.0503 Medical assisting
17.0504 Medical illustrating
17.0505 Medical office management
17.0506 Medical records technology
17.0507 Pharmacy assisting
17.0508 Physician assisting
17.0509 Physician assisting — specialty
17.0510 Podiatric assisting
17.0511 Veterinarian aide
17.0512 Veterinarian assisting
17.0513 Health Unit Coordinating
17.0514 Chiropractic Assisting
17.0599 Miscellaneous allied health services, other
17.0601 Geriatric aide
17.0602 Nursing assisting
17.0603 Obstetrical technology
17.0604 Pediatric aide
17.0605 Practical nursing
17.0606 Health Unit management
17.0699 Nursing-related services, other
17.0701 Ophthalmic dispensing
17.0702 Ophthalmic laboratory technology
17.0703 Ophthalmic medical assisting
17.0704 Optometric assisting
17.0705 Optometric technology
17.0706 Orthoptics
17.0799 Ophthalmic services, other
17.0801 Art therapy
17.0802 Corrective therapy
17.0803 Dance therapy
17.0804 Exercise physiology
17.0805 Manual arts therapy
17.0806 Music therapy
17.0807 Occupational therapy
17.0808 Occupational therapy assisting
17.0809 Occupational therapy aide
17.0810 Orthotic/prosthetic assisting
17.0811 Orthotics/prosthetics
17.0812 Orthopedic assisting
17.0813 Physical therapy
17.0814 Physical therapy aide
17.0815 Physical therapy assisting
17.0816 Recreational therapy
17.0817 Recreational therapy assisting
17.0818 Respiratory therapy
17.0819 Respiratory therapy assisting
17.0820 Speech/hearing therapy aide
17.0821 Speech-language pathology/audiology
17.0822 Recreational Therapy Aide
17.0899 Rehabilitation services, other
17.0999 Allied health, other

18.0000 HEALTH SCIENCES
18.0101 Audiology
18.0102 Speech pathology
18.0103 Speech -Language Pathology/Audiology
18.0199 Audiology and speech pathology, other
18.0201 Clinical anatomy
18.0202 Clinical biochemistry
18.0203 Clinical microbiology
18.0204 Clinical pathology
18.0205 Clinical Physiology
18.0206 Toxicology (Clinical)
18.0299 Basic clinical health sciences, other
18.0301 Chiropractic
18.0401 Dentistry, general
18.0402 Dental public health
18.0403 Endodontics
18.0404 Oral/maxial facial surgery
18.0405 Oral pathology
18.0406 Orthodontics
18.0407 Pedodontics
18.0408 Periodontics
18.0409 Prosthodontics
18.0499 Dentistry, other
18.0501 Emergency/disaster science
18.0701 Health Services administration
18.0702 Health care planning
18.0703 Medical records administration
18.0799 Health Services administration, other
18.0901 Medical laboratory
18.1001 Medicine, general
18.1002 Allergies and endomology
18.1003 Anesthesiology
18.1004 Colon and rectal surgery
18.1005 Dermatology
18.1006 Emergency medicine
18.1007 Family practice
18.1008 Geriatrics
18.1009 Immunology
18.1010 Internal medicine
18.1011 Neurological surgery
18.1012 Nuclear medicine
18.1013 Obstetrics and gynecology
18.1014 Ophthalmology
18.1015 Orthodontic surgery
18.1016 Orthopedic
18.1017 Otorhinolarngology otolaryngology
18.1018 Pathology
18.1019 Pediatrics
18.1020 Physical medicine and rehabilitation
18.1021 Plastic surgery
18.1022 Preventive medicine
18.1023 Psychiatry
18.1024 Neurology
18.1025 Radiology
18.1026 Surgery
18.1027 Thoracic surgery
18.1028 Urology
18.1029 Hematology
18.1030 Sports Medicine
18.1099 Medicine, other
18.1101 Nursing, general
18.1102 Anesthetist
18.1103 Maternal child health
18.1104 Medical surgical
18.1105 Nursing administration
18.1106 Psychiatric mental health
18.1107 Public health
18.1199 Nursing, other
18.1201 Optometry
18.1301 Osteopathic medicine
18.1401 Pharmacy
18.1501 Podiatry
18.1701 Pre-dentistry
18.1801 Pre-medicine
18.1901 Pre-pharmacy
18.2001 Pre-veterinary
18.2101 Prosectorial science
18.2201 Public health laboratory science
18.2202 Epidemiology
18.2203 Public Health Education
18.2204 Public Health Practice and Management
18.2299 Public Health, Other
18.2401 Veterinary medicine
18.2501 Public health (general)
18.9999 Health sciences, other

19.0000 HOME ECONOMICS
19.0101 Home economics, general
19.0201 Business home economics
19.0301 Family and community services
19.0302 Nonformal education (extension, adult/extended)
19.0303 Family services
19.0399 Family and community services, other
19.0401 Family/consumer resource management, general
19.0402 Consumer Science
19.0403 Family economics
19.0499 Family/consumer resource management, other
19.0501 Food sciences and human nutrition, general
19.0502 Food/food sciences
19.0503 Dietetics/human nutritional services
19.0504 Human nutrition
19.0599 Food sciences and human nutrition, other
19.0601 Human environment and housing, general
19.0602 Household equipment
19.0603 Housing
19.0699 Human environment and housing, other
19.0701 Individual and family development, general
19.0702 Adult development
19.0703 Family counseling
19.0704 Family relations
19.0705 Gerontological services
19.0799 Individual and family development, other
19.0801 International/comparative home economics
19.0901 Textiles and clothing, general
19.0902 Fashion design
19.0903 Textiles and clothing, retail
19.0904 Textile science
19.0999 Textiles and clothing, other
19.9999 Home economics, other

20.0000 VOCATIONAL HOME ECONOMICS
20.0101 Comprehensive Consumer and Homemaking Education
20.0102 Child development, care, and guidance
20.0103 Clothing and textiles
20.0104 Consumer education
20.0105 Exploratory homemaking
20.0106 Family/individual health
20.0107 Family living and parenthood
20.0108 Food and nutrition
20.0109 Home management
20.0110 Housing, home furnishing, and equipment
20.0199 Consumer and Homemaking Education, other
20.0201 Child care and guidance management and services, general
20.0202 Child care aide/assisting
20.0203 Child care management
20.0204 Foster care/family care
20.0205 Teacher aide
20.0299 Child care and guidance management and services, other
20.0301 Clothing, apparel, textiles mgmt., production, and services, general
20.0302 Clothing maintenance aide
20.0303 Commercial garment and apparel construction
20.0304 Custom apparel/garment seamstress
20.0305 Custom tailoring and alteration
20.0306 Fashion/fabric coordination
20.0307 Textiles testing
20.0308 Wedding/specialty consulting
20.0399 Clothing, apparel, textiles mgmt., production, and services, other
20.0401 Food production, management and services, general
20.0402 Baking
20.0403 Chef/cook
20.0404 Dietetic aide/assisting
20.0405 Food catering
20.0406 Food service
20.0407 Food testing
20.0408 School food service
20.0499 Food production, management, and services, other
20.0501 Home furnishing and equipment management, production, and services, general
20.0502 Custom drapery and window treatment design/making
20.0503 Custom slipcovering and upholstering
20.0504 Floral design
20.0505 Home decorating
20.0506 Home furnishings aide
20.0507 Home-service assisting
20.0599 Home furnishings and equipment management, production, and services, other
20.0601 Institutional, home management, and supporting programs, general
20.0602 Companion to the aged
20.0603 Consumer aide/assisting
20.0604 Custodial services
20.0605 Executive housekeeping
20.0606 Homemaker's aide
20.0607 Therapeutic recreation aide
20.0699 Institutional, home mgmt., and supporting services, other
20.9999 Vocational home economics, other

21.0000 INDUSTRIAL ARTS
21.0101 Industrial arts, general
21.0102 Construction
21.0103 Drafting and design
21.0104 Electricity/electronics
21.0105 Energy, power, and transportation
21.0106 Graphic arts
21.0107 Manufacturing/materials processing
21.0199 Industrial arts, other

22.0000 LAW
22.0101 Law
22.0102 Pre-law
22.0103 Legal assisting
22.0199 Law, other

23.0000 LETTERS
23.0101 English, general
23.0201 Classics
23.0301 Comparative literature
23.0401 Composition
23.0501 Creative writing
23.0601 Linguistics (includes phonetics, semantics, and philology)
23.0701 Literature, American
23.0801 Literature, English
23.0901 Rhetoric
23.1001 Speech, debate and forensics
23.1101 Technical and business writing
23.9999 Letters, other

24.0101 LIBERAL ARTS AND SCIENCES
24.0102 General Studies
24.0199 Liberal/General Studies, Other

25.0000 LIBRARY AND ARCHIVAL SCIENCES
25.0101 Library and archival sciences, general
25.0201 Archival science
25.0301 Library assisting
25.0401 Library science
25.0501 Museology
25.9999 Library and archival sciences, other

26.0000 LIFE SCIENCES
26.0101 Biology, general
26.0201 Biochemistry and biophysics
26.0301 Botany, general
26.0302 Bacteriology
26.0303 Mycology
26.0304 Plant genetics
26.0305 Plant pathology
26.0306 Plant pharmacology
26.0307 Plant physiology
26.0399 Botany, other
26.0401 Cell biology
26.0402 Molecular biology
26.0499 Cell and molecular biology, other
26.0501 Microbiology
26.0601 Anatomy
26.0602 Biometrics and biostatistics
26.0603 Ecology
26.0604 Embryology

26.0605 Endocrinology
26.0606 Histology
26.0607 Marine biology
26.0608 Neurosciences
26.0609 Nutritional sciences
26.0610 Parasitology
26.0611 Radiobiology
26.0612 Toxicology
26.0699 Miscellaneous specialized areas, life sciences, other
26.0701 Zoology, general
26.0702 Entomology
26.0703 Genetics, human and animal
26.0704 Pathology, human and animal
26.0705 Pharmacology, human and animal
26.0706 Physiology, human and animal
26.0799 Zoology, other
26.9999 Life sciences, other

27.0000 MATHEMATICS
27.0101 Mathematics, general
27.0201 Actuarial sciences
27.0301 Applied mathematics
27.0401 Pure mathematics
27.0501 Statistics
27.9999 Mathematics, other

28.0000 MILITARY SCIENCES
28.0101 Aerospace science (Air Force)
28.0201 Coast Guard science
28.0301 Military science (Army)
28.0401 Naval science (Navy, Marines)
28.0501 Maritime Science (Merchant Marine)
28.9999 Military sciences, other

29.0101 MILITARY TECHNOLOGIES
29.9999 Military technologies, other

30.0000 MULTI/INTERDISCIPLINARY STUDIES
30.0101 Biological and physical sciences
30.0201 Clinical pastoral care
30.0301 Engineering and other disciplines
30.0401 Humanities and social sciences
30.0501 Peace studies
30.0601 Systems science
30.0701 Women's studies
30.0801 Mathematics and Computer Science
30.0901 Imaging Science
30.9999 Multi/interdisciplinary studies, other

31.0000 PARKS AND RECREATION
31.0101 Parks and recreation, general
31.0201 Outdoor recreation
31.0301 Parks and recreation management
31.0401 Water resources
31.9999 Parks and recreation, other

32.0000 BASIC SKILLS
32.0101 Basic skills, general
32.0102 Academic and intellectual skills
32.0103 Communication skills
32.0104 Computational skills
32.0105 Job-seeking/changing skills
32.0106 Motor skills
32.0107 Career Exploration
32.0199 Basic skills, other

33.0000 CITIZENSHIP/CIVIC ACTIVITIES
33.0101 Citizenship/civic activities, general
33.0102 American citizenship
33.0103 Civic appreciation
33.0104 Civic participation

34.0000 HEALTH-RELATED ACTIVITIES
34.0101 Health-related activities, general
34.0102 Birth-related health practices
34.0103 Health enhancement practices
34.0104 Health treatment/prevention practices
34.0199 Health-related activities, other

35.0000 INTERPERSONAL SKILLS
35.0101 Interpersonal skills, general
35.0102 Building human relationships
35.0103 Perception of others
35.0104 Special role engineering
35.0199 Interpersonal skills, other

36.0000 LEISURE AND RECREATIONAL ACTIVITIES
36.0101 Leisure and recreational activities, general
36.0102 Crafts (leisure and recreational)
36.0103 Games
36.0104 Hobbies
36.0105 Housing/home maintenance
36.0106 Nature appreciation
36.0107 Pet care
36.0108 Sports/physical education
36.0109 Travel
36.0199 Leisure and recreational activities, other

37.0000 PERSONAL AWARENESS
37.0101 Personal awareness, general
37.0102 Coping skills
37.0103 Personal decision making
37.0104 Self-perception
37.0105 Values, attitudes, and beliefs
37.0199 Personal awareness, other

38.0000 PHILOSOPHY AND RELIGION
38.0101 Philosophy
38.0201 Religion
38.9999 Philosophy and religion, other

39.0000 THEOLOGY
39.0101 Biblical languages
39.0201 Bible studies
39.0301 Missionary studies
39.0401 Religious education
39.0501 Religious music
39.0601 Theological studies
39.9999 Theology, other

40.0000 PHYSICAL SCIENCES
40.0101 Physical sciences, general
40.0201 Astronomy
40.0301 Astrophysics
40.0401 Atmospheric sciences and meterology
40.0501 Chemistry, general
40.0502 Analytical chemistry
40.0503 Inorganic chemistry
40.0504 Organic chemistry
40.0505 Pharmaceutical chemistry
40.0506 Physical chemistry
40.0599 Chemistry, other
40.0601 Geology
40.0602 Geochemistry
40.0603 Geophysics and seismology
40.0604 Paleontology
40.0699 Geological sciences, other
40.0701 Metallurgy
40.0702 Oceanography
40.0703 Earth science
40.0799 Miscellaneous physical sciences, other
40.0801 Physics, general
40.0802 Atomic/molecular physics
40.0803 Electron physics
40.0804 Elementary particle physics
40.0805 Fluids and plasmas
40.0806 Nuclear physics
40.0807 Optics
40.0808 Solid state physics
40.0899 Physics, other
40.0901 Planetary science
40.0999 Physical sciences, other

41.0000 SCIENCE TECHNOLOGIES
41.0101 Biological laboratory technology
41.0102 Oceanographic (biological) technology
41.0199 Biological technologies, other
41.0201 Nuclear materials handling technology
41.0202 Nuclear power plant operation technology
41.0203 Nuclear power plant radiation control technology
41.0204 Radiologic (physical) technology
41.0299 Nuclear technologies, other
41.0301 Chemical technology
41.0302 Geological technology
41.0303 Metallurgical technology
41.0304 Meteorological technology
41.0305 Oceanographic (physical) technology
41.0399 Physical science technologies, other
41.9999 Science technologies, other

42.0000 PSYCHOLOGY
42.0101 Psychology, general
42.0201 Clinical psychology
42.0301 Cognitive psychology
42.0401 Community psychology
42.0501 Comparative psychology
42.0601 Counseling psychology
42.0701 Developmental psychology
42.0801 Experimental psychology
42.0901 Industrial and organizational psychology
42.1001 Personality psychology
42.1101 Physiological psychology
42.1201 Psycholinguistics
42.1301 Psychometrics
42.1401 Psychopharmacology
42.1501 Quantitative psychology
42.1601 Social psychology
42.9999 Psychology, other

43.0000 PROTECTIVE SERVICES
43.0101 Correctional administration
43.0102 Corrections
43.0103 Criminal justice administration
43.0104 Criminal justice studies
43.0105 Criminal justice technology
43.0106 Forensic studies
43.0107 Law enforcement
43.0108 Law enforcement administration
43.0109 Security services
43.0199 Criminal justice, other
43.0201 Fire control and safety technology
43.0202 Fire protection administration
43.0203 Firefighting
43.0299 Fire protection, other
43.9999 Protective services, other

44.0000 PUBLIC AFFAIRS
44.0101 Public affairs, general
44.0201 Community services
44.0301 International public service
44.0401 Public administration
44.0501 Public policy studies
44.0601 Public sanitation
44.0602 Public transportation
44.0603 Public utilities
44.0699 Public works, other
44.0701 Social work, general
44.0702 Medical social work
44.0799 Social work, other
44.9999 Public affairs, other

45.0000 SOCIAL SCIENCES
45.0101 Social sciences, general
45.0201 Anthropology
45.0301 Archeology
45.0302 Archeological Technology
45.0401 Criminology
45.0501 Demography
45.0601 Economics
45.0701 Geography
45.0801 History
45.0901 International relations
45.1001 Political science and government
45.1101 Sociology
45.1201 Urban studies
45.9999 Social sciences, other

46.0000 CONSTRUCTION TRADES
46.0101 Brickmasonry, stonemasonry, and tile setting, general
46.0102 Brick, block, and stonemasonry
46.0103 Tile setting
46.0199 Brickmasonry, stonemasonry, and tile setting, other
46.0201 Carpentry
46.0301 Electrical and power transmission installation, general
46.0302 Electrician
46.0303 Lineworker
46.0399 Electrical and power transmission installation, other
46.0401 Building and Property maintenance
46.0402 Concrete placing and finishing
46.0403 Construction inspection
46.0404 Drywall installation
46.0405 Floor covering installation
46.0406 Glazing
46.0407 Insulation installation
46.0408 Painting and decorating
46.0409 Plastering
46.0410 Roofing
46.0411 Terrazzo installation
46.0499 Miscellaneous construction trades and Property Maintenance, other
46.0501 Plumbing, pipefitting, and steamfitting, general
46.0502 Pipefitting and steamfitting
46.0503 Plumbing
46.0599 Plumbing, pipefitting, and steamfitting, other
46.0606 Small Engine Repair
46.9999 Construction trades, other

47.0000 MECHANICS AND REPAIRS
47.0101 Electrical and electronics equipment repair, general
47.0102 Business machine repair
47.0103 Communication electronics
47.0104 Computer electronics
47.0105 Industrial electronics
47.0106 Major appliance repair
47.0107 Motor repair
47.0108 Small appliance repair
47.0109 Vending and recreational machine repair
47.0199 Electrical and electronics equipment repair, other
47.0201 Heating, air conditioning, and refrigeration mechanics, general
47.0202 Cooling and refrigeration
47.0203 Heating and air conditioning
47.0299 Heating, air conditioning, and refrigeration mechanics, other
47.0301 Industrial equipment maintenance and repair, general
47.0302 Heavy equipment maintenance and repair
47.0303 Industrial machinery maintenance and repair
47.0304 Mine equipment maintenance and repair
47.0305 Oil and gas drilling equipment operation and maintenance
47.0399 Industrial equipment maintenance and repair, other
47.0401 Electromechanical, hydraulic, and pneumatic instrument repair
47.0402 Gunsmithing
47.0403 Locksmithing and safe repair
47.0404 Musical instrument repair
47.0405 Operation, maintenance, and repair of audio-visual equipment
47.0407 Sporting goods equipment repair
47.0408 Watch repair
47.0499 Miscellaneous mechanics and repairers, other
47.0501 Stationary energy sources, general
47.0502 Conventional electric power generation
47.0503 Industrial nuclear energy
47.0504 Pumping plants
47.0599 Stationary energy sources, other
47.0601 Vehicle and mobile equipment mechanics and repairers, general
47.0602 Aircraft mechanics
47.0603 Automotive body repairs
47.0604 Automotive mechanics

47.0605 Diesel engine mechanics
47.0607 Aircraft Mechanics, Airframe
47.0608 Aircraft Mechanics, Powerplant
47.0699 Vehicle and mobile equipment mechanics and repairers, other
47.9999 Mechanics and repairers, other

48.0000 PRECISION PRODUCTION
48.0101 Drafting, general
48.0102 Architectural drafting
48.0103 Civil/structural drafting
48.0104 Electrical/electronics drafting
48.0105 Mechanical drafting
48.0199 Drafting, other
48.0201 Graphic and printing communications, general
48.0202 Bookbinding
48.0203 Commercial art
48.0204 Commercial photography
48.0205 Typesetting, Make-up and Composition
48.0206 Lithography, photography, and platemaking
48.0207 Photographic laboratory and darkroom
48.0208 Printing press operations
48.0209 Silk screen making and printing
48.0210 Photoengraving
48.0299 Graphic and printing communications, other
48.0301 Leathermaking and upholstering, general
48.0302 Saddlemaking and repair
48.0303 Upholstering
48.0304 Shoe and Boot Repair
48.0399 Leatherworking and upholstering, other
48.0401 Precision food production, general
48.0402 Meatcutting
48.0403 Slaughtering and butchering
48.0499 Precision food production, other
48.0501 Precision metal work, general
48.0502 Foundary work
48.0503 Machine tool operation/machine shop
48.0504 Metal fabrication
48.0505 Metal patternmaking
48.0506 Sheet metal
48.0507 Tool and die making
48.0508 Welding
48.0599 Precision metal work, other
48.0601 Industrial ceramics manufacturing
48.0602 Jewelry design, fabrication, and repair
48.0603 Optical goods work
48.0604 Plastics
48.0699 Precision work, assorted materials, other
48.0701 Woodworking, general
48.0702 Furniture making
48.0703 Millwork and cabinet making
48.0799 Woodworking, other
48.9999 Precision products, other

49.0000 TRANSPORTATION AND MATERIAL MOVING
49.0101 Air transportation, general
49.0102 Airplane piloting and navigation (Commercial)
49.0103 Aviation computer technology
49.0104 Aviation management
49.0105 Air traffic control
49.0106 Flight attendants
49.0107 Airplane Piloting (Private)
49.0199 Air transportation, other
49.0201 Vehicle and equipment operation, general
49.0202 Construction equipment operation
49.0203 Material handling
49.0204 Mining equipment operation
49.0205 Truck and bus driving
49.0299 Vehicle and equipment operation, other
49.0301 Water transportation, general
49.0302 Barge and boat operations
49.0303 Commercial fishing operations
49.0304 Deep water diving and life support systems
49.0305 Marina operations
49.0306 Marine maintenance
49.0307 Merchant Marine officers
49.0308 Sailors and deckhands
49.0399 Water transportation, other
49.9999 Transportation and material moving, other

50.0000 VISUAL AND PERFORMING ARTS
50.0101 Visual and performing arts, general
50.0201 Crafts, general
50.0202 Ceramics
50.0203 Enameling
50.0204 Fiber/textiles/weaving
50.0205 Glass
50.0206 Metal/jewelry
50.0299 Crafts, other
50.0301 Dance
50.0401 Design, general
50.0402 Graphic design
50.0403 Illustration design
50.0404 Industrial design
50.0405 Theater design
50.0499 Design, other
50.0501 Dramatic arts
50.0601 Film arts, general
50.0602 Cinematography/film
50.0603 Film animation
50.0604 Holography
50.0605 Photography
50.0606 Video
50.0699 Film arts, other
50.0701 Film arts, general
50.0702 Art conservation
50.0703 Art history and appreciation
50.0704 Arts management
50.0705 Drawing
50.0706 Intermedia
50.0707 Kinetics
50.0708 Painting
50.0709 Sculpture
50.0710 Printmaking
50.0799 Fine arts, other
50.0801 Graphic arts technology
50.0901 Music, general
50.0902 Music history and appreciation
50.0903 Music performance
50.0904 Music theory and composition
50.0999 Music, other
50.9999 Visual and performing arts, other

60.0101 INTENSIVE ENGLISH LANGUAGE

90.0101 UNDECLARED

COUNTRIES BY WORLD REGION AND SUBREGION

1000 AFRICA

1100 Eastern Africa
1115 Burundi
1120 Comoros
1105 Djibouti
1125 Ethiopia
1130 Kenya
1135 Madagascar
1140 Malawi
1145 Mauritius
1150 Mozambique
1155 Réunion
1165 Rwanda
1170 Seychelles
1175 Somalia
1180 Tanzania
1185 Uganda
1190 Zambia
1160 Zimbabwe

1200 Central Africa
1210 Angola
1220 Cameroon
1230 Central African Republic
1240 Chad
1250 Congo
1260 Equatorial Guinea
1270 Gabon
1280 Sao Tomé & Principe
1290 Zaire

1300 North Africa
1310 Algeria
1320 Canary Islands
1330 Egypt
1340 Libya
1350 Morocco
1370 Sudan
1380 Tunisia
1360 Western Sahara

1400 Southern Africa
1410 Botswana
1420 Lesotho
1430 Namibia
1440 South Africa
1450 Swaziland

1500 West Africa
1510 Benin
1585 Burkina Faso
1505 Cape Verde
1515 Gambia
1520 Ghana
1525 Guinea
1530 Guinea-Bissau
1535 Ivory Coast
1540 Liberia
1545 Mali
1550 Mauritania
1555 Niger
1560 Nigeria
1565 St. Helena
1570 Senegal
1575 Sierra Leone
1580 Togo

2000 ASIA

2100 East Asia
2110 People's Republic of China
2120 Taiwan
2130 Hong Kong
2140 Japan
2150 Korea, Democratic People's Republic of
2160 Korea, Republic of
2170 Macao
2180 Mongolia

2200 South and Central Asia
2205 Afghanistan
2210 Bangladesh
2215 Bhutan
2220 India
2260 Kazakhstan
2265 Kyrgyzstan
2225 Maldives, Republic of
2230 Nepal
2235 Pakistan
2245 Sri Lanka
2270 Tajikistan
2250 Turkmenistan
2255 Uzbekistan

2300 Southeast Asia
2305 Brunei
2320 Cambodia
2315 Indonesia
2325 Laos
2330 Malaysia
2310 Myanmar
2335 Philippines
2345 Singapore
2350 Thailand
2360 Vietnam

3000 EUROPE

3100 Eastern Europe
3110 Albania
3189 Armenia
3174 Azerbaijan
3120 Bulgaria
3181 Byelarus
3191 Croatia
3130 Czechoslovakia
3183 Estonia
3188 Georgia
3150 Hungary
3184 Latvia
3185 Lithuania
3187 Moldova
3160 Poland
3170 Romania
3186 Russia
3192 Slovenia
3182 Ukraine
3180 U.S.S.R. (former)
3190 Yugoslavia

3200 Western Europe
3203 Andorra
3206 Austria
3210 Belgium
3213 Denmark
3220 Finland
3223 France
3226 Germany
3233 Gibraltar
3236 Greece
3243 Iceland
3246 Ireland
3250 Italy
3253 Liechtenstein
3256 Luxembourg
3260 Malta
3263 Monaco
3266 Netherlands
3270 Norway
3273 Portugal
3276 San Marino
3280 Spain
3283 Sweden
3286 Switzerland
3290 United Kingdom
3240 Vatican City

4000 LATIN AMERICA

4100 Caribbean
4103 Aruba
4105 Bahamas
4110 Barbados
4115 Cayman Islands
4120 Cuba
4125 Dominican Republic
4130 Guadeloupe
4135 Haiti
4140 Jamaica
4150 Leeward Islands
4155 Anguilla
4151 Antigua
4152 British Virgin Islands
4153 Montserrat
4154 St. Kitts-Nevis
4160 Martinique
4170 Netherlands Antilles
4180 Trinidad & Tobago
4185 Turks & Caicos Islands
4190 Windward Islands
4191 Dominica
4192 Grenada
4193 St. Lucia
4194 St. Vincent

4200 Central America
4210 Belize
4230 Costa Rica
4240 El Salvador
4250 Guatemala
4260 Honduras
4270 Mexico
4280 Nicaragua
4290 Panama

4300 South America
4305 Argentina
4310 Bolivia
4315 Brazil
4320 Chile
4325 Colombia
4330 Ecuador
4335 Falkland Islands
4340 French Guiana
4345 Guyana
4350 Paraguay
4355 Peru
4360 Suriname
4365 Uruguay
4370 Venezuela

2400 MIDDLE EAST

2405 Bahrain
2410 Cyprus
2415 Iran
2420 Iraq
2425 Israel
2430 Jordan
2435 Kuwait
2440 Lebanon
2445 Oman
2450 Qatar
2455 Saudi Arabia
2460 Syria
2465 Turkey
2470 United Arab Emirates
2485 Yemen

5000 NORTH AMERICA

5110 Bermuda
5120 Canada

6000 OCEANIA

6100 Australia & New Zealand
6110 Australia
6120 New Zealand

6200 Pacific Ocean Island Areas
6210 Cook Islands
6215 Fiji
6220 French Polynesia
6225 Kiribati
6227 Marshall Islands
6230 Nauru
6235 New Caledonia
6250 Niue
6255 Norfolk Island

STATES WITHIN U.S. REGIONS

NORTHEAST
Connecticut
Maine
Massachusetts
New Hampshire
New Jersey
New York
Pennsylvania
Rhode Island
Vermont

SOUTH
Alabama
Arkansas
Delaware
District of Columbia
Florida
Georgia
Kentucky
Louisiana
Maryland
Mississippi
North Carolina
South Carolina
Tennessee
Virginia
West Virginia

SOUTHWEST
Arizona
New Mexico
Oklahoma
Texas

MIDWEST
Illinois
Indiana
Iowa
Kansas
Michigan
Minnesota
Missouri
Nebraska
North Dakota
Ohio
South Dakota
Wisconsin

MOUNTAIN
Colorado
Idaho
Montana
Nevada
Utah
Wyoming

PACIFIC
Alaska
California
Hawaii
Oregon
Washington

OPEN DOORS DATA

IEDC International Education Data Collection Committee AACRAO • IIE • NAFSA

October 1, 1991

Dear Colleague:

We would like to express our appreciation for your participation in the Census of Foreign Students in the United States last year, and to ask for your cooperation again this year. Over 96% of the accredited institutions of higher education responded to the last Census, ensuring that *Open Doors* remains the most accurate and comprehensive source of information on international education exchanges.

In order for *Open Doors* to best serve you and others in the international education community, it must reflect foreign study in the U.S. accurately and completely. It is extremely important, therefore, that every school reply to the survey. Your participation is essential. Would you, please provide the requested data as soon as possible?

We are enclosing three forms this year:

(1) **Step 1--Preliminary Reply Card:** This allows us to estimate as accurately as possible the total number of foreign students in this country. Please complete and return it immediately.

(2) **Step 2--Institutional Data Reply Form:** This contains most of the data published in *Open Doors*. Please return this form by **November 8, 1991**, or as soon thereafter as possible.

(3) **Step 3--Individual Data Form:** The STEP 3 data allow detailed analyses of foreign student characteristics. Please return the completed form by **November 22, 1991**, or as soon thereafter as possible.

IMPORTANT--PLEASE NOTE:

A. **Refugees:** In response to a request by USIA, and in consultation with NAFSA and AACRAO representatives, **refugees will no longer be included in the Census**. Since refugees are not required to return to their countries when their studies are completed and, since the Census tries to gauge trends in flows of students on temporary visas, it was decided that the foreign study picture will be more accurate if refugees are not included. We regret any inconvenience this change may cause you. We know that the number of foreign students enrolled at your institution, as defined in this survey, and the number of students served by your office may be different. Make this known to your administrators if you need to.

B. **Electronic Transmission of Data:** IIE is intensifying its efforts to collect STEP 2 and STEP 3 data electronically (on tape or diskette) and, to that end, it allows more flexibility in the format of incoming data than in the past. We urge you to transmit the data in this mode, even if all your codes do not match ours. If you can respond electronically, please indicate this on the Preliminary Reply card or call us. We will send you detailed instructions on the format the file should have and answer any questions you may have about electronic submission.

C. **Response Deadlines:** New requirements by USIA for an earlier *Open Doors* publication date necessitate that IIE shorten the data collection period. Also, budget constraints do not allow

extensive follow-up efforts this year. We ask that you respond to the survey as close to the deadlines as possible to ensure that your institution will be included in the Census.

Please return the completed STEP 2 form by **November 8**, and the STEP 3 form by **November 22** of this year or as soon thereafter as possible. Your early response will help us get *Open Doors* to you sooner.

Completed forms and inquiries should be addressed to:

Research Division
Institute of International Education
809 United Nations Plaza
New York, New York 10017-3580
Telephone: (212) 984-5349
FAX: (212) 984-5452

Thank you very much for your assistance.

Sincerely,

Charles W. McKinney
President
American Association
of Collegiate Registrars
and Admissions Officers

Richard M. Krasno
President
Institute of
International
Education

Richard F. Reiff
President
NAFSA:
Association of
International Educators

STEP 3 **INDIVIDUAL DATA SURVEY 1991/92**

Data for **PROFILES**, companion volume to **OPEN DOORS**

IEDC International Education Data Collection Committee

AACRAO • IIE • NAFSA

Title/Office
Reporting Official
Institution
City State Zip
Telephone

For future use, the above label should include the Title/Office, Reporting Official, the institution's name and address, and the reporting official's telephone number. Please make any necessary changes.

STEP 3 INSTRUCTIONS

PLEASE READ CAREFULLY BEFORE COMPLETING THE SURVEY

- All information should be based on **1991 Fall Term** enrollments.
- If possible, **please send the STEP 3 data electronically** (on a computer diskette or tape) rather than in a printed format. See page 2 for details.
- **Include** only **non-immigrant** students at the post-secondary level who hold **temporary visas**. **Do not include refugees and permanent residents**. **Do not include** students from Guam, American Samoa, Puerto Rico, or the U.S. Virgin Islands.
- If you can provide only **partial information, please do so**. We will accept data on as few as two categories (such as country of origin and field of study). Of course, we urge you to provide as much information as possible.
- **Deadline** for the return of this form is **November 15, 1991.** If it is not possible for you to send the data by this date, do not throw the form away. Please call us to make special arrangements to send the data later.
- **All inquiries** should be addressed to Alfred Julian at (212) 984-5349
- **Send STEP 3 data to:**

  Research Division
  Institute of International Education
  809 United Nations Plaza
  New York, NY 10017-3580
  FAX (212) 984-5452

PLEASE USE THE FOLLOWING DEFINITIONS IN REPORTING THE DATA:

Foreign Student -- any foreign national enrolled for courses in an accredited institution of higher education in the United States who has a temporary visa. **Permanent residents and refugees are not included.**

Fields of Study -- Optimally you should use the fields and subfields listed in the back of *Profiles* and *Open Doors*. This taxonomy was developed by the National Center for Educational Statistics (NCES) and the codes therein are required for IPEDS reporting by institutions of higher education. If you cannot provide actual codes, please be as specific as possible in listing fields of study, e.g., "electrical engineering" rather than merely "engineering."

Academic Level -- see codes listed at the bottom of pages 3 and 4. Under Intensive English Language include only students enrolled for 15 or more contact hours per week.

Primary Source of Funds -- the single greatest source of funds for all educational expenses, including associated living expense. If a student has more than one source of funds, use the **one source** which provides the largest percentage of all income. Primary-source-of-funds codes are listed at the bottom of pages 3 and 4.

INSTRUCTIONS CONTINUED ON PAGE 2. PLEASE READ THEM.

STEP 3 **INDIVIDUAL DATA SURVEY 1991/92**

Page 2

Data for **PROFILES**, companion volume to **OPEN DOORS**

IEDC International Education Data Collection Committee AACRAO • IIE • NAFSA

STEP 3 INSTRUCTIONS CONTINUED

METHODS OF REPORTING STEP 3 DATA

ELECTRONIC REPORT: TAPE OR DISKETTE: The preferred format for receiving the STEP 3 data is on a diskette or computer tape. This eliminates the cost of coding and data entry at our end, and the need to spend long hours filling out the form at your end. We urge you to send the data in this format, if at all possible. In order for electronically transmitted data to be of use, they should conform to a few rules. Please call Alfred Julian (212) 984-5349 for a copy of these rules (file specifications) and for the name of IIE's computer liaison staff member who can assist you in adopting your system to the file specifications if you choose this option.

PRINTED REPORT: If you cannot provide a diskette or tape, you can always send in the STEP 3 data in a printed format. Two types of reports are acceptable:

1) **Roster Reports/ Computer Printouts**: If your institution has too many students to report on the supplied form, IIE will accept computer printouts, directories, or rosters of foreign students. However, in order to be able to manage these data, WE STRONGLY URGE YOU TO HAVE THE ROSTERS PRODUCED IN THE FORMAT FOUND IN THE FORM. That is, list students by country; within country by field of study, etc. If you cannot produce such a report, grouping students by either country of origin or field of study will facilitate our data management task.

If you send a computer printout, please

- **include a key** for decoding any codes or abbreviations included in your report
- **identify students who are refugees or on immigrant visas** (permanent residents) if they cannot be excluded from your report
- have the computer printout **triple spaced**, if possible, to allow room for coding
- **attach the label from page 1 of this form on the report.**

2) **Completed Step 3 Form**: Fill in pages 3 and 4 of this form. If your institution has more international students than will fit in this form, please photocopy page 4 as many times as necessary to include all students.

The preferred order for the individual data is to list students by country; within country by field of study; within field of study by academic level, etc. If two or more students have identical characteristics, list them in one line, putting the total number of students with those characteristics in the "Number of Students" column as in the following illustration:

STEP 3 **INDIVIDUAL DATA SURVEY 1991/92**

Page 3

Data for **PROFILES**, companion volume to **OPEN DOORS**

IEDC International Education Data Collection Committee AACRAO • IIE • NAFSA

NUMBER OF STUDENTS	COUNTRY OF CITIZENSHIP	FOR IIE USE ONLY	FIELD OF STUDY (Please be specific e.g. Electrical Engineering, Accounting, Dentistry, etc.)	FOR IIE USE ONLY	ACADEMIC LEVEL (See codes below)	GENDER (Place X in appropriate box) M	GENDER F	PRIMARY SOURCE OF FUNDS
1	GERMANY		FINANCE		04	X		1
1	INDIA		ELECTRICAL ENGINEERING		05		X	3
3	IRAN		PETROLEUM ENGINEERING		05	X		1
1	NIGERIA		SOIL PHYSICS		09	X		2
1	NIGERIA		MARKETING RESEARCH		08		X	1
1	MEXICO		ART EDUCATION		06	X		3

GUIDELINES FOR THE RELEASE OF INDIVIDUAL SURVEY DATA

Reports based on Individual Survey data are available to individuals, agencies or corporations for clearly identified purposes of scholarly research, public information, or recruitment for employment.

Reports will be produced for recruitment purposes only when the employer has indicated the following: the openings are for employment in the students' home countries or, in some instances, home regions; students' obligations to the sponsors of their U.S. study and/or to their own governments will be respected; the corporation or agency does not engage in discriminatory practices.

Student names obtained as a by-product of the Census activity will not be released in any case without the students' prior consent.

The Institute of International Education reserves the right to request that the proposed use of the data be documented and to withhold Census and Individual Survey data when the request is not deemed to be of appropriate scholarly, public information or recruitment purposes.

STEP 3 **INDIVIDUAL DATA SURVEY 1991/92**

Data for **PROFILES,** companion volume to **OPEN DOORS**

IEDC International Education Data Collection Committee

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NUMBER OF STUDENTS	COUNTRY OF CITIZENSHIP	FOR IIE USE ONLY	FIELD OF STUDY *(Please be specific e.g. Electrical Engineering, Accounting, Dentistry, etc.)*	FOR IIE USE ONLY	ACADEMIC LEVEL *(See codes below)*	GENDER *(Place X in appropriate box)* M	GENDER F	PRIMARY SOURCE OF FUNDS

CODES FOR ACADEMIC LEVEL

01 ASSOCIATE (Both 1st & 2nd year)
02 PRACTICAL TRAINING
03 FRESHMAN
04 SOPHOMORE
05 JUNIOR
06 SENIOR
07 UNDERGRADUATE--UNSPECIFIED
08 MASTER'S
09 DOCTORATE
10 PROFESSIONAL TRAINING
11 GRADUATE--UNSPECIFIED
12 NON-DEGREE
13 INTENSIVE ENGLISH LANGUAGE (15 or more contact hrs/wk)
88 UNKNOWN/NOT AVAILABLE

CODES FOR PRIMARY SOURCE OF FUNDS

1 PERSONAL AND FAMILY
2 U.S. SPONSOR
3 NON-U.S. SPONSOR
8 UNKNOWN/NOT AVAILABLE

STEP 3 **INDIVIDUAL DATA SURVEY 1991/92**

Page 4

Data for **PROFILES**, companion volume to **OPEN DOORS**

IEDC International Education Data Collection Committee AACRAO • IIE • NAFSA

NUMBER OF STUDENTS	COUNTRY OF CITIZENSHIP	FOR IIE USE ONLY	FIELD OF STUDY (Please be specific e.g. Electrical Engineering, Accounting, Dentistry, etc.)	FOR IIE USE ONLY	ACADEMIC LEVEL (See codes below)	GENDER (Place X in appropriate box) M	GENDER (Place X in appropriate box) F	PRIMARY SOURCE OF FUNDS

CODES FOR ACADEMIC LEVEL

01 ASSOCIATE (Both 1st & 2nd year)
02 PRACTICAL TRAINING
03 FRESHMAN
04 SOPHOMORE
05 JUNIOR
06 SENIOR
07 UNDERGRADUATE--UNSPECIFIED
08 MASTER'S
09 DOCTORATE
10 PROFESSIONAL TRAINING
11 GRADUATE--UNSPECIFIED
12 NON-DEGREE
13 INTENSIVE ENGLISH LANGUAGE (15 or more contact hrs/wk)
88 UNKNOWN/NOT AVAILABLE

CODES FOR PRIMARY SOURCE OF FUNDS

1 PERSONAL AND FAMILY
2 U.S. SPONSOR
3 NON-U.S. SPONSOR
8 UNKNOWN/NOT AVAILABLE

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